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<400> 10827

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 <213> *Aspergillus nidulans*  
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<400> 10832

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<400> 10838

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<400> 10843

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<400> 10845

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1467

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<400> 10851

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10852

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 ataagctccc tagacagaaa tattactagt taagacttat atttataaag attttttatt 180  
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 <213> Aspergillus nidulans

<400> 10853

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 ttgcaggtgg acggcccaga actggtgcag ataggagggt aagaatgcca caggagccag 180  
 cgctaggtag ctctgacggg gaactgcaac gttgtgagaa ctgagcgagc acacggccct 240  
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 cattcggcaa ggcattctat atcagctgag ctgaggtac gctaatagaga caactacaca 360  
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 ccattatttc tggataatgc ggaagagagc ctgctgata ttgctgacac ataaacgctc 480  
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 <212> DNA

<213> Aspergillus nidulans

<400> 10854

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agtaaattta ttaagtaagt tttttgattt aatattctta gtaatttgga tatttttatc 240  
ttatttgata ttcttaatta taatttaaata aaaaaaaaaa accccccccc ttaatagggg 300  
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<211> 997

<212> DNA

<213> Aspergillus nidulans

<400> 10855

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<212> DNA  
<213> Aspergillus nidulans  
<400> 10856

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caatattacc gcggttgccg tatcgctgaa ctgtggccga ccagctcggc caagcatttg 180  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10859

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<210> 10860  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10860

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10861

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 gaatgattat taatgtattt tgggtcaataa ataggctaga agatcacctt tatctaggat 420  
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 tattaatttt cataagagggc tattatga 508

<210> 10862  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10862

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10863

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 <213> *Aspergillus nidulans*  
 <400> 10864

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<210> 10865  
<211> 995  
<212> DNA  
<213> Aspergillus nidulans

<400> 10865

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<212> DNA  
<213> Aspergillus nidulans

<400> 10866

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<210> 10867

<211> 311

<212> DNA

<213> *Aspergillus nidulans*

<400> 10867

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<212> DNA  
<213> Aspergillus nidulans

<400> 10868

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<210> 10869  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10869

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<211> 355  
<212> DNA

<213> Aspergillus nidulans

<400> 10870

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tatcgataga tttgataatt caaccagaca tctacgacac aagcggctgc ctctggctga 240  
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<210> 10871

<211> 222

<212> DNA

<213> Aspergillus nidulans

<400> 10871

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gagatgtgca tgtagctaag tcatagtga tggatgatgt atattgcatg actatccacg 180  
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<210> 10872

<211> 827

<212> DNA

<213> Aspergillus nidulans

<400> 10872

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10873

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<210> 10874  
<211> 1425  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 10874

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10875

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10876

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10877

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10878

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<400> 10879

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 <213> *Aspergillus nidulans*  
 <400> 10880

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 caaacaccaa gtaagatgta cagagacggc ataacttgat tatcaaactt tctgagagaa 180  
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gattccaaac atatctgaga gtgaaacata aactcagagt aataagaacc ataagagaca 360  
gtataattgt aactttaacc tcataacaga tcaaagaaag accaaataag atttcacccat 420  
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<210> 10881  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 10881

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<210> 10882  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 10882

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tgccgtcgat gtcaccttct tcagtttcca cggagaaatc tccacctccg tcagatactt 180  
caatggctat agtagcttcc gataactcca ctactcatt ctcttcttct ccacgtccgc 240  
cacattctct tgatcattcc agtgaatcgg agaaggaaga tgcgaaaagt aaaccgcaga 300



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<210> 10883  
 <211> 391  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10883

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 tggataacat ttagctttta aatgtttcct atcacactaa tcacaattta gactttccac 180  
 ttgtatgttt gtagaggaaa aactttagtt tcattttttac tatattccta ttccttccta 240  
 catatttcct tatatttttt agggaaattt gcatttataa ctatcaaaaa attataaatt 300  
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<210> 10884  
 <211> 361  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10884

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 gtccagggtc aatggagttt cgttcatacg tttgttatag agaaacaagt aatattctag 180  
 cttttcgatc atgtactata cgggagagct tttaggcctt tttgcaagtt ggggtggagaa 240  
 aactcatttc tgccttattt tttaaccaata cgaataatcc agtccgaccc cgtccgggggt 300  
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<210> 10885  
 <211> 577  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10885

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gcagacccgg gtctctgcgg ctgggaagcc ggaatcgggg gaggtggtga gaccgatcct 180
gacccgttgt ctgaaccatg tccctgcaca gcccgtttcg gaggaacctg agggatcgta 240
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<210> 10886  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10886

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gattgaactg aggaacattc gagtatgtcc agcacacata catatgaaga ggaccgtacc 240
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caaa 424

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<212> DNA  
 <213> Aspergillus nidulans  
 <400> 10887

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 aatgtgctaa tcatttcaat attgagactc catcctgctt ctgctcctga tcctttgtgc 540  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10888

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 ggtgattggc tggaacctgt gtattcggga taattgggtt tatagtgaca agaattctca 480  
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<212> DNA  
 <213> Aspergillus nidulans  
 <400> 10889

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 cacatgtcat cttgtaatgg ttaagatctt agagatatat ccaatgatcc tgacactcta 180  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10890

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<211> 499  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 10891

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ncgggaaaaa ccacngaaa gncgaggga agcagaagag cgagaaacca aaaggccgaa 360  
agccgcaaaa agcccgaaaa aacaaaagaa gagacccgag gaacggaaga gggcagngcc 420  
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<210> 10892  
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<212> DNA  
<213> Aspergillus nidulans  
  
<400> 10892

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aactggaaga gataccgctt aagatggcaa aaaagcgaac cacaaactcc aaaacgaaat 480  
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<210> 10893  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10893

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<210> 10894  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10894

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 aaatcaacct caatagcgac agaaccagta cacaccaaaa ccctatcaag gacgctgcca 360  
 aatctgcagc attcatggac acagcgcacg tcggtgtcct cagctccaag gtagcagcta 420

caactcgcaa cagtcaatcc cagcctcacc attcacaccg tggcagccac gagcaaatgc 480  
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<211> 586  
<212> DNA  
<213> Aspergillus nidulans

<400> 10895

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<210> 10896  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10896

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<210> 10897  
<211> 586  
<212> DNA  
<213> Aspergillus nidulans  
<400> 10897

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<210> 10898  
<211> 1435  
<212> DNA  
<213> Aspergillus nidulans  
<400> 10898

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<210> 10899  
 <211> 846  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10899

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<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 10900

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<210> 10901

<211> 1918

<212> DNA

<213> Aspergillus nidulans

<400> 10901

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10902

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 ggatactagg acatcctact cagttcagaa acataacaga aagcttcgac tagtgaacaa 300  
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<210> 10903  
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 <213> *Aspergillus nidulans*  
 <400> 10903

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 <213> *Aspergillus nidulans*  
 <400> 10904

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10905

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<400> 10906

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10907

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<400> 10908

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<213> *Aspergillus nidulans*

<400> 10909

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 10911  
 <211> 365  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10911

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10912

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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cgcaatccag gcctagtcgg tggggataag cgaccaatgg gggttgtagt ctgtgtaggt 240  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10915

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<213> Aspergillus nidulans

<400> 10916

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gaagacgtaa gagaaatata agcaaggact gacgaacaaa ggagaagaaa actaacaatg 180  
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<210> 10917

<211> 270

<212> DNA

<213> Aspergillus nidulans

<400> 10917

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ctaatttgtt ttcaagggtt agtagagggt acgatagaag tgagagattg ctttagatcc 180  
ggcagacttc caggcaagct tcgctatggg ggtaataatc attgacatag ggatcattgc 240  
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<210> 10918

<211> 475

<212> DNA

<213> Aspergillus nidulans

<400> 10918

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tcaaattagt attatatcaa taagcgaaat tgatagacaa attaaaaaat taatccgtgc 180  
aaaccatgga tactaactta gttatttatt aaagactgat tctatcttag atgcagccaa 240  
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 tataatttcca tcttactata tagttttcct ttattggcat gttttgttaa attatgagtt 420  
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<210> 10919  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10919

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10920

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 aatgtccct cagtacgggtg gccactttga caggctgggc ggttccaatg atgggctgtg 180  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10921

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tgcacaaggg atggcctcga tgatctgcct ctacggagta ccgcttctga tagtgaatgc 180  
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ccagttcgat ggaacaccgt ggtatgtagc gatgtatagg gaggcaaagg agtgtatcta 480  
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aggatgatgg tgaagaaat 559

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<212> DNA  
<213> Aspergillus nidulans

<400> 10922

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<210> 10923  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10923

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 <211> 556  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 10924

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<212> DNA  
<213> Aspergillus nidulans

<400> 10925

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<210> 10926  
<211> 125  
<212> DNA  
<213> Aspergillus nidulans

<400> 10926

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tcata 125

<210> 10927  
<211> 2905  
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 10927

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<400> 10928

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<212> DNA

<213> *Aspergillus nidulans*

<400> 10929

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2411

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<213> *Aspergillus nidulans*

<400> 10930

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<213> *Aspergillus nidulans*

<400> 10931

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 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 10934

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
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<400> 10936

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 tgtcagggac cattctcgaa gaaccggagg agcacatccg tctgactctc gaggtaaaca 1680  
 cgctggcgca cttctggaca gtgaaagagt ttttacacag catgatccag aacgatcacg 1740  
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<210> 10937  
 <211> 164  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10937

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 aaaggtgttc tcagacgcat tcgacttgga cagatgtcta gcatcatcac gttcgagact 120  
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<210> 10938  
 <211> 599  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10938

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 ccaaaaggag gtattaccac tgctaaagag gaatgtagaa tggaatacgt ccagaatcgt 180  
 acagatgaat cctggttcag gtttgtgtca atactttatt ctctagtagc tagctcgctt 240  
 cttttactgc ttctatctac agctttcttc attttcttat gccaaaggaaa agtttgtaga 300  
 actaactctc gatgtgatgc ttactttatc caggtacaag aaaatcttga cttgttataa 360  
 ttactgtcta atgaagtgtt cattccttgt ggcagcattt ggatcgctcc gggttgcaga 420  
 actcgactgg ggaaacgaag atcatataac ggccgttgag ccccctttga ctatgtcatc 480  
 ggtactgatg ttgtaagttc atcggaatct tcaaattgatt cactctaatac atgtaatac 540  
 gaaagactga attcagctca agggagactg acctcacctt aaatttggtt ttaagggtat 599

7

<210> 10939  
 <211> 1442  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10939

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tattcctagaa taattgtatt gatactgtcc ctagcacacc atgcttcgcc acggttgga 180  
cattcagtgg aaggccgga caacaggccg acgaccgcag ggtatgtcca tccggcaatt 240  
catagcagaa ggctgcgct ttgcatcgca tctagagacg catcatgcca ttgaagaaca 300  
acatatcttc ccgcatctgg cgctgaagat gcctgagttc cgggtgggca aagggaagca 360  
taacgccgag ctcttgccgc agcataagca gattcacgcg gggctggatg ggtttaggga 420  
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gatggagagt tggaggatg tgctctggac gcacttgag caagagggtca aaacactagg 540  
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tg 1442

<210> 10940  
<211> 418  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations

<400> 10940

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gccggcgcac cgacccgagc aagcacacgg gcgcagcgcg aaccacaaac gaaccggacc 180  
aaggaagncg acgagggggc cncagacgga gaacgaacag aacggcaaga gaccaggacg 240  
ggcaaccaga acacgcgcga ggacgagaca accacacaga gccgcagcgc cccacggggc 300  
gaaagcaacg accagaagaa cggaagaag gacagggacg ccacgaacag gcacgggacg 360  
aggacagagg aacaccacaa aaagccgaca cgacaagacg acaagcgaac aacggggcg 418

<210> 10941

<211> 1945

<212> DNA

<213> *Aspergillus nidulans*

<400> 10941

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accgtttcgg cattcaaac cgtaggaagc aagatgtcga gagaaaacta gcacctacca 180  
ggggtagtgt tatacaggac caaacatggt gcgagtccta tatcaagtat caggactggt 240  
taacggcgct gtagtctgat tgggtcttgcg atcacaagta gcacctgga gacaaattag 300  
atagatacct accatgactg gcgactctgt ggtaggcggt cttgttgata ataagcgggg 360  
tcgatgaaga ttagattgct tttgttcggg aaaacaagct gctgtaaaca gcatcgacga 420  
caggttgcgc agtgatttgt ctgccgccga agaagcgccc gttcaggccc ttgatggcgt 480  
tctctccacc ctggacgcgg tcgaacttca ggtatatgtc gccctgggaa tttggatcta 540  
gtgcaatgtg aacaacatgg ccatatcttt cttcgcactc agcgcgaacg tcatcctcca 600  
gtctcttaac ccaggattca cctcctccc tacagatttg gtcagcaagg tcagcggttat 660  
agatgcagggt aggggtgtacg aactcagccg ggtcaaacat gttgcgaagc aaaacacacc 720  
gactcgccat gttgacatta accggtaaag gcttgggttc agttttcggg aggagtatct 780  
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 ctttcttcat cacgtctatc ccgccgggaa cgcgttgagg ggcgtaata tctgtcatca 1860  
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 cgatagtcgt cgcctgtcgc atcgc 1945

<210> 10942  
 <211> 525  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10942

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 ccgaaatata acaagtacca cctcgtcccg gaccatcgca aggaaaacta taccggaat 180  
 cctttttatc tggcattaac ttggaaccac gtgcatctaa agcacctttt actaagatca 240  
 atgtagttgt atgtaaacct aaagcaatag catgatgaac caagaaatct ccaggaccta 300

ttgttaagaa taatgaatta ctattctcat taatagcatt taaccagcca ggcaaccata 360  
 tgctgcgacc cgcattaaat gctgggccac ttgtcgaaga taaaagtaca tcaaaccat 420  
 atgaagtttt cccatgagca gattgtatcc attgggcaaa tatagggttcg atcaagattt 480  
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<210> 10943  
 <211> 2198  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 10943

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 ttcaagcaat gcgccgctta tcccatggta acttcgcaag gcccttctct tccagttaag 180  
 gaacgcgaac cgggggatcg aggaacagcc ccagcgccga tcggactcgc ctctcctccg 240  
 actggctatc acctcctagt ctataaatct cggcgccaag gacaaatcac cttcaccgct 300  
 tgatttagcg ttaattggca tgagcttggt cattgtcact ctgctgtcta tcaagtctcc 360  
 actcgtctc atccccagtg atgatcgatt gttatcaaat tccctcatct tgccctatta 420  
 tgtaacagtt cagcttcccc cgcaatatgg gtggcccagc atgttgataa gcaatggggg 480  
 cgaaacacgc gagtcctggg aacgctgcct gctatttcaa gtcatttggt ccaacgctct 540  
 cttgtgaatc gtttcttgca tccatttgcc ttgttgactc gttgggtata ctggcacgca 600  
 gaagcatatc acattcacgt ataccatgaa agacattcca gcggccgatg atattcagct 660  
 ggctgccctt ggcgataaag ccgagctgaa gcggaatttc tctatgttgt aggtattcac 720  
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 gtgacccta agtttgactc aactccttga ctgacgggtg ctcaggatgg tgttgcgcat 2100  
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<210> 10944  
 <211> 2278  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10944

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 tgccgctcgc ttccttgatc cgttgaagga ggttctattg ccctgttagc taagtcttgt 240  
 agttcgcagc tcagaagtcc tacctggcgc tgtgctctcc gttcagcgac ccagccctca 300

gggtcgttct cccgcttctc gcgatcaagc cggagttctt catcctttcg cgcttggtcc 360  
 cgctccttct ctcccttagc acgttgccgt gcgtcgacat tggatttcat aagtcgctga 420  
 tgacgcttct ccttcaaccc agcctcgtct agctcttcgt ctggcacatc cagtaatggg 480  
 aacgacatct cctccgatgc ttcttcctgc tcttcatttc ctagggtctt gtttctcgat 540  
 ctcttaattg agcgtcgaag atcccgaatt agccgctcta gatgtgcttc gtctttcagg 600  
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 gcagcttgtt cttgcagccg tcgcccgtc tctttcttcc tctgtgcgat tcgcgcaagt 780  
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 tcgaggaacg attggctaaa gaatttaggt ctaatacacc cgctcatgg ttactcatta 2220  
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<210> 10945  
 <211> 2025  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10945

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 gggagacgga atcagcaaac atgacatgtc tctcgggcca agtgacaaga tcgagtggat 240  
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 cagccgggcc atgttgcggt tcaggtatgg gacgccgata tgggtg 2025

<210> 10946  
 <211> 531  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10946

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 gccctcattc ctttttcctt atctgcacat ctttgttctt catacaaagg ctgctctttc 180  
 gtactttgct tccccggatt actcatctct agaatagctc cagagctaaa actcactaag 240  
 tagactagat tattcgattt tcatggcgtg gtgttttgcc tcatcctgaa gatccattct 300  
 ccctattttc ccttacagat atcaaggaac ataaccacaa atgaaatggc caacgccttg 360



cggtacagct acctaagagg tccaggtggt cggtttagga atccttatga tctcgggtgc 420  
agaagaaact gctcggactt cttagtaaaa gggtataacg aagatattga gtgtcatgaa 480  
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<210> 10947  
<211> 1989  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 10947

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<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 10948

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<210> 10949  
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<212> DNA  
<213> *Aspergillus nidulans*  
  
<223> unsure at all n locations  
<400> 10949

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<213> Aspergillus nidulans

<400> 10950

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cagcagcaag atcattgggt agaaacttaa tcaaagctct ctttttggtg acaaattctg 240  
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taaagtcggt tcttttattg caagtacaag agacataaag taaaaccgca tttctctttt 360  
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<210> 10951  
<211> 1382  
<212> DNA  
<213> Aspergillus nidulans

<400> 10951

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10952

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gagaaaagaga aggaagaact caaggacttg aagcaaaagt gctcggacac agaagctctg 300  
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<210> 10953  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10953

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<210> 10954  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10954

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<210> 10955  
 <211> 1785  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10955

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<210> 10956  
<211> 1874  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 10956

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 10957

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10958

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10959

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 <211> 379  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10960

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gatgtcacca gttaggttca aagcaacgat gatacctcag tagactgata cctcagtaat 180  
gtatcgccat agcataattg ccgggggactt aggatcactg tgacacatga taatgatcca 240  
tcacgaaagg tagacatagc ttttttgcag aggagtcgac atgcttgtgt caccatcagg 300  
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<210> 10961

<211> 586

<212> DNA

<213> *Aspergillus nidulans*

<400> 10961

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ccgagacgta gagatataag atttctgtga gaccccgctc ccgagctctc ggcgtagggc 240  
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tagacttaga tcgacctttt actcgggtcaa gacatgcata tggtcgctaa ccattctaag 480  
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<210> 10962

<211> 549

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 10962

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<210> 10963  
 <211> 519  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10963

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<210> 10964  
 <211> 573  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 10964

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atattttgtg agtatagaac atagaactat gacgtgctaa attgagctat ggacaaaatc 180  
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acacaaacta aaaccataa gataatgtaa gatagataaa acaagaggat gtcgtcataa 480  
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<210> 10965  
<211> 378  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 10965

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cggcttgga ggacaggctg ctcaagtccg cactctctat cggtagacat ctgccaggag 180  
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gccagggaga tacgggcttg ctaggggaga actgggtgtt aggcaggaac actagctcca 300  
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<210> 10966  
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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 10966

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<210> 10967  
 <211> 1364  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10967

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 <211> 2360  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 10968

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<210> 10969  
<211> 1780  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 10969

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<210> 10970  
 <211> 158  
 <212> DNA

<213> Aspergillus nidulans

<400> 10970

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<210> 10971

<211> 520

<212> DNA

<213> Aspergillus nidulans

<400> 10971

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<210> 10972

<211> 2584

<212> DNA

<213> Aspergillus nidulans

<400> 10972

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 <211> 631  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 10973

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<210> 10974  
 <211> 1413  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10974

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1413

<210> 10975  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10975

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<210> 10976  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 10976

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<210> 10977  
 <211> 1462  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10977

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<212> DNA  
<213> Aspergillus nidulans

<400> 10978

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aacactgctg aaatccttgt aagcgaaagg acaatgccgc aatatgccct agtggttgtg 420  
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<210> 10979  
<211> 586  
<212> DNA  
<213> Aspergillus nidulans

<400> 10979

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 gatgagggtt atttatttca ttagatgcca cctgagactt tgatcgtaag gcttaaaaga 540  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10980

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<210> 10981  
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 <212> DNA  
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<400> 10981

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10982

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 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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<400> 10984

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<400> 10986

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<213> *Aspergillus nidulans*

<400> 11003

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<213> Aspergillus nidulans

<400> 11006

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 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11009

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<213> *Aspergillus nidulans*

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<210> 11011  
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 <213> *Aspergillus nidulans*

<400> 11011

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<400> 11012

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 gggctctccag atgaagttat ccgagtgcg acgagttgcc tgcggggaag atatgctaga 1020  
 caatcatcca tcattgacca ttttgccttt tgagcgcaac cgtcgcgtag tcgttggcgg 1080  
 gatgataaat attttgaacg agaagcaaac ctttgttgcc agcagctgat ggtgtctgtc 1140  
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<210> 11013  
 <211> 140  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11013

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 ggggcngccg cgcgggcccg 140

<210> 11014  
 <211> 479  
 <212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11014

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aagcgggnga cccaacagg anagaccaac cnnccaggcc agcaacggag aaccaagaag 180  
gcacaaacaa ccgcaaggaa gagccccagc acaacaaaaa agagggggggg caaaaacggg 240  
aaaaaccaag ggggagaaaa agngaaacaa gggacaacaa acggccgngc aaggggggga 300  
aggcaaaaaa ggaaaaaaag ggggaaaaag gaagaagcng aaaaggaccc acaaggaaac 360  
ccagacaaaa aggccgaaac ggaagggcaa ccaacaaggg gagagacnga caagggaccc 420  
gaaaaaccca aaaaaggccg gaccaccgga aggcggaaca gaggaagacg cgacaaaaa 479

<210> 11015

<211> 544

<212> DNA

<213> Aspergillus nidulans

<400> 11015

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cctaaaccga gattatagct aatcagaatc ttatatataa caccatagcc taaaattaaa 180  
tacctgatta ttagtgaatg cacctcgaat ttgaggagga tcatcgtgat caagcaaact 240  
cgctgcatta ccaccggta cgatcctgta accagccggg tttcctacc gagattttcg 300  
gttcgggttc acaatgtgga attcatatgg gtcataaggg ctcaacttga tctgagcatc 360  
tttctcagtc ttggctatat atttcttgac cttcaagtaa ctcttccttg gcgattttcc 420  
tgttggaact ctctgcttct ctagatgaac cttaacaaa gaattattca tcggtccatc 480  
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<210> 11016

<211> 1054

<212> DNA

<213> Aspergillus nidulans

<223>        unsure at all n locations  
 <400>        11016

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gtgacgtcag gtacaatagg ccagcaaccg caaaagaagg cttggacact attcttaaatt  180
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gtcgttcacc ggagaccagc cagacgtctg ccctggactt ctccaagcgc acggctaccg  360
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<210>        11017  
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 <212>        DNA  
 <213>        *Aspergillus nidulans*

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cgacctctaa cagtagtagc aagaaagaag agtagaagct tactcgtgac atgaccacca  180

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tcgatggttg caaatggttt gacgatttga tgggtggaagt aagtacttgg gcttccccggt 240  
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 cgtttatttc tttttgtcctt gttttttttt ggcttcgcga aagaaaccaa aaaaagtgat 360  
 ggtaagatca taggagatga tattataaga acgtgtgata cattaattta ggggacgggt 420  
 tgctttgctt aatgcctaca aagatggttg acttttcaga tcgtacaaaa ggcactacta 480  
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 <211> 290  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 gggcgcgenc aagaagaccg canngngcan nnnngcgnaa ggcnancca acgaagcccc 180  
 ncncggaanc cncgacaaag agaaaaanac aagccaaaca ggccgcgaga aaagacgccc 240  
 ccaaggaaag gcccgaaacc gggcgcgggg gnccaggaac ccacgcccac 290

<210> 11019  
 <211> 1217  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11019

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 ggacagaaag cttaaaggctc ctgcatgaag ctactcgctg tagtcagcct ataagtcaac 180  
 tcgttactgg atcctgtagg cgcttagcag ttagtacaga cagaacaact gaactggatg 240  
 atatatatag gccgagctca actcagcagc gcaaatggga gattattcaa ggggttaagat 300  
 tgtattgtga atacaagact aacactgaga gatgcaaaca aaagctgagg taaaggacat 360  
 catggactta aaaatcccat atctatccaa cttttaatga acagcctcgc tgtctctgca 420  
 ctgaccgggc ctagatttgc gagagttttc gaatgctcgc gcgatttctt cgtttccagc 480

aaaaggcccc cacaagacat gcggatgaaa ttgttatcaa ggaaatcgac cagcagaatc 540  
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 catttctcga atggaatgat gttcgaccgg ggtatatgca gcgcatctgc aagtaccacg 660  
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<210> 11020  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11020

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 gagacaggag caaaggcang gagngagaaa aacagancag aagagaccng cgaaancggc 180  
 agaccgggca nccaacgcca agcgaggcag cgccganncg cagaggccgc aagaggaaaa 240  
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<210> 11021  
 <211> 418  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11021

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 gggataaaga atgaaaaaga tgaattatga gttaataaga ggaggaagaa aaaaataaag 180  
 ggaaaatgaa agagtttagag aatgaataga aggaaagggg aaaggaggag atgatgtaag 240  
 aagaaagtta aatttgtatg agtgtggtag aaaagaaata aataggaaaa taagataatg 300  
 gtgaagagtt gaagtgaaaa ggggtggagaa attagaaaat agaaagaaag gaaggaaaag 360  
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<210> 11022  
 <211> 598  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 gcaaagaaag agtcataacc ttcagtgtaa atttctgatt gaggcgagat ttgcttcttt 180  
 tgaaagctaa ttttcggggc attccgtgga taggttacac gccacgcagt tcgtcggaat 240  
 cttcttgaa attgatttca aagtcgactg gttttgtaac ttttgaccag tgtttcgtct 300  
 tgctgtatct gctggagaga agcgcatgtc actttcggca catagcttcg attggcacia 360  
 tattggacta tatggagagc tgtctgtctg ggcaatctgt ggatatgttt cctgtctctt 420  
 ggttcgctgg tcttacaatg tctgacaatt gctcacgaag ttggctcgtt gcaagtgggtg 480  
 tcagtctgaa ttgtcttgga aaaacgatca taactctcaa accataacct caaatcgtga 540  
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<210> 11023  
 <211> 508  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 11023

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 tgccgcacgg ggggtgtatt aaaacatgac ccgcggacag cccctaattc acaatagtgg 120



aagggactgc agcgtgctaa agacctggca ggcccaccac aacggcctga ccagcgaacg 180  
 cacaaattca cagcgtccgc aagaggtgga ccagcgcacc gatgggagcc ggcataagc 240  
 taatggtgtc gagtgaacc gaggctagaa ccagtgcacac cctcgacta acccacagag 300  
 gataccgggc aagagaaacg caggagaggt aagccaggca tagacgagga cccaccaca 360  
 cggggtagta acctcgctct agtcaacaaa gcaaggcgct ggacgtggac acaagggaca 420  
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 ccacagactg acggaaccct acccgga 508

<210> 11024  
 <211> 461  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 ccttgagat tcattgccat cggtatcctt tttgctagat gtatgactac ctgagcttcc 180  
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 aaactcttct tctccaacac acccatagag aatttgataa cgactattc cacgaatttg 300  
 atcaaaattc agtggatttt ctcatattc gttcaaatac atagccaaaa acaacgagac 360  
 tatagttcac atggagtcta tacgaaaggc aacacactta ccttcgacgg tcacggtacg 420  
 aggtggaatc gccggtccgg ctatcgtagc gactcatgat g 461

<210> 11025  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gaggtagatt gccatcccgt ggctcgcgag gtctgatca gaatatgcat gggccgcgtt 180  
 gtcgaataaa gtcagagtat tgctctctgc atgccagcga gcatcatgct gccaggagaa 240

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 gatatagttc cctcggccat ctttgtccac gctgttaata tgaaagaaat caaatgcaga 420  
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tgtctccgca cattaataga attaccagtg gagttggtga tgggtacgcc catccaatgt 1920  
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 gaaccccgcc gtttggccta ttacaggggtt attcccagag ctggacctth cctgtgggga 2520  
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<210> 11026  
 <211> 431  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11026

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 aaaaagaaag agcaaaacag gaaacaagaa agcgaacaca tagaccaacc gggaacgaag 240  
 acccagcaaa cagacaaaag gaccgaacaa aaaaagaaa aacaaacca agagcaatgg 300  
 caaagaacgg gggccagaaa aaacaacgga acaaaacaaa aaacgggacc agggaaaaaa 360

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<210> 11027  
<211> 3099  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 11027

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<210> 11028  
 <211> 1530  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11028

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<210> 11029  
 <211> 590  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11029

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 tgttgaacgc ttcttggaact acataagact tcaacgatta gacagataag ccatatttta 180  
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 ggacgcgttt aaaggtaacc atcgggtgggc gttaccgaca agagaccttc ttggggggtg 360  
 aacatgctaa ataccgcaag tcgactaact ctcatgttct catctaaagt agctctttcc 420  
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 <211> 523  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11030

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 ctggaatcat catctttgtt tttggttata gaattagtga aatgatgaat catagagaac 180  
 aaattgtgat gcgaaaaatt gtacaatata cataaaactt gtgaaatgtc actaccaaact 240  
 gaatcatttg attagaaaaa tctcacctag agtgaatcat ttttcaaaca agaatggaga 300  
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<210> 11031  
 <211> 607  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11031

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 tgttctgacg gagcacaatt atatccattc tggtaagact ttttgaaaga taatactagc 240  
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 ttgatcttct tccagaacaa gcactgacag gtaacaaact ttctcgcaaa ccatgtaggg 480  
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<210> 11032  
 <211> 403  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11032



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<210> 11033  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11033

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<210> 11034  
 <211> 626  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11034

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 tgtgtaggga ccttgagagg tgggtgacgta gtaacgcaca ctctatttga ttctggggct 420  
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<210> 11035  
<211> 2572  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11035

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 caaactatga ctcttccgcc atacactata gccacgtgct atccccgtat ct 2572

<210> 11036  
 <211> 507  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11036

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cgtttaactc tgccttctag cactctactg ctcacgcaat ctttcttcac ctgaccacca 180  
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 taaacctaga gttgcgagta tacgctatgt ctacaacaag caggatagca taggatgatt 420  
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<210> 11037  
 <211> 612  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11037

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 <211> 320  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11038

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agaacgatgc ttatgttttt gttttgaatt tgtaatctaa tgtagaacga aactactgag 180  
gaggtgaaga agtttagatg ttgtgtcatt ttggaaagac aatgcaaccc actttaaga 240  
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agcgtttcgc atcaaaagtc 320

<210> 11039  
<211> 325  
<212> DNA  
<213> Aspergillus nidulans

<400> 11039

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<210> 11040  
<211> 608  
<212> DNA  
<213> Aspergillus nidulans

<400> 11040

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gacactcagc gagaggatcat cgagtgggttc tgggctgcga cacttgctgg ctatctgcca 540  
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<210> 11041  
<211> 445  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 11041

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<400> 11042

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 <213> *Aspergillus nidulans*

<400> 11043

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 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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 <213> Aspergillus nidulans

<400> 11046

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 11049  
 <211> 684  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11049

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 cagcctgact gatcgccgag ggcgattht cattcattc tttctttcc tttgtgcttc 180  
 aaagtctaa cagaccact tgggagtata cttattctag cttaccctcc tgggacccg 240  
 tgtatatacc ctaccaacct agagggtcgc ttgctttgtg gtggcggctt aaactacata 300  
 tcacatatct gattatattt tgaaggacga cggatgatgg actaaaaatc accattagct 360  
 ggcatgaaat gcatcaactt ggccagctag gcgtagtaaa gagtggtht tattctgccc 420



tgcaagcgat ggccggggct agaacggcca atccataacc gtatagagga aggtcggagg 480  
ccgggggatgg acttcactca gacactaaaa aaacacagac caatactatc gagtgacggt 540  
ttgattctac tattagactt ttagtggcgg ccatgcatag gagctgagct gagctgatcc 600  
tgttcaatag gcagccatct tgccgagtgc agcaccggat gtgttgaacc catgacgagc 660  
aaaaccctac tctgtctag gcta 684

<210> 11050  
<211> 557  
<212> DNA  
<213> Aspergillus nidulans

<400> 11050

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gaagtgatag tggatgatagc ggagtcgagg aggacgaagc caccggagtt gagggagacg 120  
acgtcgggat agatggagac agagaatctg atggagagga gaatagagaa gacgatggtg 180  
atatagcgctc tgatggagac atcaatctag aagacgatgg agacagagat gaaagtcaaa 240  
agaagaggac gagagaagag aaaagaaagg aggaagaggc tgaagaaggc caaaagaaga 300  
ggagaaaaca gaagaaggat gagccggaag aagatttggc cgagagggtt gagttcgaga 360  
tagaggaagc agtagctatg tggatgatg agttaagat tagaaggaac gaaataccag 420  
aaagtgataa tgaagaagaa gatcatgtga tctactagaga taggaagatt aggttagctt 480  
cggatgatag gttagctata ggcagaacat tcttcactgg ttttgaattc aaagagggtg 540  
tcttgcatta tgcaatg 557

<210> 11051  
<211> 993  
<212> DNA  
<213> Aspergillus nidulans

<400> 11051

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tcacagagta gcttccaggc taggaataat cctatgactg aaacggttcg tgaaatgcc 180  
ctgcgaactt gctgaaatgg acacattctt acggagcctg gctgcactgc tggaacgagc 240

ggacagcacg cgagaacgac accaagaatt gctcaactgg ctccatgcgc actgcgtcca 300  
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 tgcactctgt gataaagccc cacgaatggg ttctcgggtct taatttctgt ctacaatggc 420  
 agtacgtctc catccttggg tctcaatagc ggatttcccc tgaaagtttg aaaagtatga 480  
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 tgtttccaat acttttttga aaatatatta aatctccgtt tttttgtgat tagaaaaaat 720  
 atatttcttc cttatcctcc cctaagccta agataataat tattttcttc ctctaaacaa 780  
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<210> 11052  
 <211> 2029  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11052

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 ttcaaccgag caggctggcc ccatccagga gagtattgct ttcttgtgct ggaggggtgcc 180  
 cttgccagtt ccattctttc ctcacgccac ttccaaaagc ccattaaagt ggccgccgga 240  
 cccaagataa gaaggcccag gaacaagcaa gccgacgca cgagaagggg ttgttggacg 300  
 atatttgtcc ggcgcgatgc ccacagcgta aaatgggacc atgccagaat cgtcagagaa 360  
 tgacagatta accgcgcgcc gtctacgggg agatcaaaat tcttcagcga gtggataatg 420  
 gccgaatacc cgagagaacc atggactgca ctggcgaaga ggatcatcag attgtagaac 480  
 tgacatacat ggtgcatatc ccgattgtca tagagtaatt tcaaggtgtc cgcctggcat 540  
 ggtcttgctt ttaactgttg cccgagatac acagcgatag ggagtgtcaa aggtatcaag 600

gggggcgccc agttacccat aatctccggg cccctttgga gaagcaggat gacaatgaga 660  
 agagtaacca gggcgcaata aggcagcgct tcagcagctc gtatatcgat agcgcgtggg 720  
 tctggataga agaaggaccg atggcgactt tggtagatgt agagagcgaa atatagcggc 780  
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 catcccaaac acgcagcgat aggtacaggc gattgctgca cagaggtaat gtaaggctgc 1920  
 cctaataata gtgggggtat ccattggaga aaaaacttac atttagccag ctgttgtagac 1980  
 ccataactcg ggtctccagc gtcggcgatt tacagatcag gggggtccg 2029

<210> 11053  
 <211> 608  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11053

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atatggccag acaggatcag ggaaaactta tacaatggta tgtattcact gttgtttctg 180  
agagtaagat ttcataggaa taacgctgat gcgcttttac cttcgttccc tttctttcag 240  
actgggtccag atggatcaag tgaagaagac tggggagtaa attatcgcg tctcaatgat 300  
ctttttaaaa tctctcagtc cagaaaggga aacatatcgt atgaagtcgg ggtgcaaattg 360  
gtggagatat ataatgaaca agtgctcgat ctgctgtctg atgacaattc tcaaaagaaa 420  
tatccctttg ttttaaatcc tggttttgtc tttttgtttt ctcattgcta gtgttattgt 480  
agccattcct ttttgtttcc ttgaccttca cacaacacta gggatccttt ctacaactca 540  
acaaaatggc ctggctgtgc tgacgcaagc atgtacctgt gacacaactt cagatgtgat 600  
tcattgat 608

<210> 11054

<211> 509

<212> DNA

<213> *Aspergillus nidulans*

<400> 11054

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agctgacagg gagatcttcg ttgttcagct tatattagag tcgttctacc ttctatgggt 120  
ccaagggaaa tggggcagtt gttccatctt cccatgcctg gactaccgat agttccctct 180  
tcttctcttt attgtttccc tctttcgtac gtacacacgt cgtcaaggga ttgatgctaa 240  
acaaccaaag ctgccttggc tgctgtgact gcctctcctt gcctcctatc ctttaagtgc 300  
agtacttcgt tccttttcag tcgagttatc gctttcgtt cttttgatcc tgcagaggca 360  
ggacaaactc ccggcgagca aggtcaagat gccgatgctg tcggtctgca agctccttta 420  
gtcaacgaag cgaactggct gaactctatg tcttttggtc tcgtcttgct gaaagaaaaa 480  
gagtgaggaa acaaagcaac aaaagagag 509

<210> 11055

<211> 501

<212> DNA

<213> Aspergillus nidulans

<400> 11055

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gctttgcaag ttcattttgta gaggaaggga agcttgatgc tctccgagca gcgtttaatg 180  
ctttggcaga caaaaatgga tccgtatctg ctgagccggc aaagtccatt gcagcagaga 240  
atcaagaggc tgagcaggta aaaaacaagt tttctccagg aaaattacgt gttcttccac 300  
tttatgctat gctatctcca gctgcacagc ttcgagtgtt tgaggaagtt gagacagaag 360  
acagacttgt gggtgtggcg actaatgtag cggacacttc tctgactatt cctgggtatac 420  
cgtatgtggt tgatacaggt cgggttacag tacagcctta tgattctcag actggtatgg 480  
aaagtcatga ggtagattgg a 501

<210> 11056

<211> 569

<212> DNA

<213> Aspergillus nidulans

<400> 11056

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gtgcacacac gtttctttgt gaggagtact tttagaatga aggtatgggg taattactat 120  
aagactataa catctcgggtg aaactataaa atgtggatgg tttgactgga cttgctaaat 180  
actatcaaaa gttgtttgaa atctagagag attatttata tggccaatag ttgggaatgt 240  
accggagtgt cagccgaggt ctggtcatca tcgcagcctg tgaaggagaa gacttcaccg 300  
ccaactgtac ctttccacat tctgttttta ggccgatggg cttcccatc atagtttccg 360  
agcctaaaac gaaggatcaa gaaaagaaaa aaaaatgggt tacatgtgct atgcataagc 420  
agttttcttat ttgtgttagt tcatagggta tagggtttat accaatataa gaactatatg 480  
gtcccatttg ttttttgttt ttttaacatt tctacaagct atcgaggtct gcatacacac 540  
gtacataaca agaagtcaat aattattga 569

<210> 11057

<211> 969

<212> DNA

<213> Aspergillus nidulans

<400> 11057

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ctaaccgccc aattggtgac acaggtctga caactagaat gggggaacta ggctactttt 180  
gtgtgtaagt aaggatgccc actatcccc ccatgttaga ataggtcagt cagtttgatg 240  
acaatacaat aacaaacagt tcagtaatgc taagctgcat tattttgcat gcatgcgga 300  
tcttattcct agaaactgag cttgactata tcgttaaadc ggagcgtttc tccacacaat 360  
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ggcgcggtgcg ataaagggtg tccatttggc ccctggaaac tatagggttt ctcctagtct 480  
tcatagttca aaaacttgat atttaggcta ggcaacgctt tggagacatt ccataaaact 540  
gtatcgtgtg gtttaagggc cggatcctta aaacggtgtc aatatttggg ggtattttcc 600  
tggttatccg ttaattgaaa aaggatcgt taataagtta tctgtaatac ttaccttatg 660  
cttttaaatt gatctataat atattatata agttgataat cttgtggcat aattttatga 720  
tttttaatgt taatatatgt tcatttaaatt tgtttctatt acattttctc ttgtcttctc 780  
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<210> 11058

<211> 524

<212> DNA

<213> Aspergillus nidulans

<400> 11058

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ggaagcgatg tacagtgcaa tgcacatca atatccttgc aacctgttag caccaaataa 180  
agttaatctg cttgtgcaca actaactgca gactctggga gacatttaaa tttggcttga 240

atcatatata ctttataaaa tgtaaagctc tagatacata cccggatgta ccacactaaa 300  
gacaagcaaa tgtcgttaagt cttgcctaac aggattggat acgtcttcag aggatacaga 360  
ccaaggtaag ggtggcaagc atgccagaac ttgagaagag aacggcgagt agtcaacatc 420  
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<210> 11059  
<211> 872  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11059

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gacgagctga gatcggagaa ggagcaactg ccgttgctca tgagcctcgc cccgaacggc 240  
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<210> 11060  
<211> 496  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11060

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ccctagactt ttcacccagt aactgccagg gctgctacaa cgaaaatcaa tctggccggt 120

cagccctaatt ctatagagat ctttctctta tactcactac aactttgatc tttcgctctc 180

ggcggtatac atggcttttcg acgagttgct caatgttgcc atgggctgct tgcaatactg 240

ctctatcggg aatcgatatag cattccgctg ccattcaagc ggcggaatga gggggaattc 300

acatgccttg ttgaatggaa tggcgtctga aagaatcagc tcaggcgcggt tagaacctgt 360

aaatgatctg atttccagtg catctgcgca taatatatag agaaatacag gagcttggag 420

atgttctgta tagttagtcc attgactttg gatctgtgtg atcatgacat gtcattcctc 480

gttaaaaggc atcgag 496

<210> 11061

<211> 127

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 11061

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aaaatgtaat cggcactttc agtnagggtt atgccttagt gtcactagat gagttnngta 120

tcttagt 127

<210> 11062

<211> 159

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 11062

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taacagggtt ctccaaggca cgcngagtat aatactctta gacacntatc taggtatcng 120

ctgtaacnac ttcnaangg aanggcctg caatatagg 159

<210> 11063

<211> 4139

<212> DNA



<213> Aspergillus nidulans

<400> 11063

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taagaagtat aagaataaca taaatctata aaaaagatag aatgaatgac gaaaagataa 180  
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ataacaaaag gagttaaaga acacatatag aagagacata gaatatagaa tgatgataaa 300  
aaacacgatt taactaaaga atgtgaaaaa acaacatatg aaaataataa taaaaaagta 360  
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ggtgatgcgt ttggaataag ttcagatagc ctgcacgaat cagtcacttc acacaagcca 1560  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11064

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11066

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 <211> 1074  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11067

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 <211> 112  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11068

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<210> 11069  
 <211> 275  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 11069

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<210> 11070  
<211> 2919  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11070

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11071

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<210> 11072  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11072

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<210> 11073

<211> 137

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11073

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tcgcntctgt tgccgct 137

<210> 11074

<211> 570

<212> DNA

<213> Aspergillus nidulans

<400> 11074

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<210> 11075

<211> 907  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11075

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<400> 11079

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<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

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<210> 11082

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<213> *Aspergillus nidulans*

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<400> 11088

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 <223> unsure at all n locations  
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<400> 11091

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 <212> DNA  
 <213> Aspergillus nidulans

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<400> 11095

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<400> 11096

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<223> unsure at all n locations  
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<400> 11099

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11102

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1065

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<213> Aspergillus nidulans

<400> 11103

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<210> 11104  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11104

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<211> 1986  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11105

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 <211> 540  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> \* unsure at all n locations  
 <400> 11106

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 ctaaaatacc ggttacaccg atcattttgt ccttcggttg cttcgctgca ttttgatca 480  
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 <211> 113  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11107

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 <212> DNA  
 <213> Aspergillus nidulans  
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<210> 11109  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11109

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<211> 118  
<212> DNA  
<213> Aspergillus nidulans  
<400> 11110

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<210> 11111  
<211> 1803  
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11111

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<210> 11112  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11112

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 <213> Aspergillus nidulans  
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<213> *Aspergillus nidulans*  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11117

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<210> 11118  
<211> 2229  
<212> DNA  
<213> Aspergillus nidulans

<400> 11118

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<212> DNA  
<213> Aspergillus nidulans

<400> 11121

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 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11123

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<210> 11124  
 <211> 475  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11124

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 gaaactagtt gaccgttagc tcgactctaa ctcaatgccg gacacaatag gtttgcacgc 180  
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aaggaatcgg catatttggg caccggcact atggcgctgt atcaggagca gctattcctg 420  
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<210> 11125  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11125

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<210> 11126  
<211> 1803  
<212> DNA  
<213> Aspergillus nidulans

<400> 11126

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<212> DNA  
<213> Aspergillus nidulans  
<400> 11127

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ttaaataaaa agatcctact actatgacta tacacataat tataaaaaat taaatcacia 480  
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<211> 395  
<212> DNA  
<213> Aspergillus nidulans

<400> 11128

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<210> 11129  
<211> 516  
<212> DNA  
<213> Aspergillus nidulans

<400> 11129

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cccagcacia atgcttttaa aatacatctc ctcccaaaaa ccaccactat aatacaacta 180  
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aaccctacc cacaaattgt acaataaat actacatctc aaataataaa aacctatact 360  
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<210> 11130  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11130

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 ccgcagaacc atatccaaag gaatagctaa tacgttgata tgggtactcct ccaagatttt 240  
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 <211> 511  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11131

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<210> 11132  
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<212> DNA  
<213> *Aspergillus nidulans*

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<210> 11133  
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<212> DNA  
<213> *Aspergillus nidulans*

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 <211> 644  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <212> DNA  
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<400> 11136

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<400> 11137

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11138

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 <213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

<400> 11141

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<213> Aspergillus nidulans

<400> 11142

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans  
<223> unsure at all n locations  
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 <213> *Aspergillus nidulans*

<400> 11145

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<212> DNA  
<213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

<400> 11147

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<400> 11148

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<400> 11149

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<400> 11150

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11151

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<400> 11152

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 <213> Aspergillus nidulans

<400> 11153

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 <213> Aspergillus nidulans

<400> 11154

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11155

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 <213> Aspergillus nidulans

<400> 11156

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<400> 11157

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 <213> Aspergillus nidulans

<400> 11158

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 <213> Aspergillus nidulans

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<210> 11160

<211> 3118

<212> DNA

<213> *Aspergillus nidulans*

<400> 11160

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11161

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<210> 11162  
 <211> 122  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11162

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<210> 11163  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11163

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11164

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 aggaggggat ttaaggaggt agtgtagtgg aggtgatggt ggattaattg tgatgagggc 240  
 agtggatgaag cttggaatgg gttaagggga ggatgggggc tgcaatgatg aagagttttg 300  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11165

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 <400> 11166

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<210> 11167  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11167

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<210> 11168  
<211> 494  
<212> DNA  
<213> Aspergillus nidulans

<400> 11168

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<210> 11169  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11169

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<210> 11170  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11171

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11172

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 <211> 190  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 11174  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 11175  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11175

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<213> Aspergillus nidulans

<400> 11176

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<212> DNA  
<213> Aspergillus nidulans

<400> 11177

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<210> 11178  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11178

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 <213> *Aspergillus nidulans*

<400> 11179

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11180

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226

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<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
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<213> Aspergillus nidulans  
  
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<210> 11183  
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<212> DNA  
<213> Aspergillus nidulans  
  
<400> 11183

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<210> 11184  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11184

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<210> 11185  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11185

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<210> 11186  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11186

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<210> 11187  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11187

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<210> 11188  
 <211> 1537  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11188

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 <213> *Aspergillus nidulans*

<400> 11189

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 ctcaccgcta taatttcgaa ggctctccac gaagcgccca ggaaactact cacacagagc 180  
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<210> 11191  
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 <212> DNA  
 <213> Aspergillus nidulans

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 ctctttgttc tggcgcatga ccgttgaccg ctgcaatcgt gcatggactc tgggttggtg 180  
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<210> 11192  
 <211> 392  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11192

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<210> 11193

<211> 125

<212> DNA

<213> *Aspergillus nidulans*

<400> 11193

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<210> 11194

<211> 117

<212> DNA

<213> *Aspergillus nidulans*

<400> 11194

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<210> 11195

<211> 414

<212> DNA

<213> *Aspergillus nidulans*

<400> 11195

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aatccgagcc ggacaacgct accggtgtcg tgtgtcgccg cagctggcac tgagagacat 180  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<400> 11204

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11206

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<213> *Aspergillus nidulans*  
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 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11209

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<210> 11210  
 <211> 905  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11210

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<210> 11211  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 11213  
 <211> 196  
 <212> DNA  
 <213> *Aspergillus nidulans*

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196

<210> 11214  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11214

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<210> 11215  
<211> 400  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11215

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<213> Aspergillus nidulans

<400> 11216

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11217

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<210> 11218  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11218

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<210> 11219  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11219

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<210> 11220  
 <211> 1498  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11220

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<210> 11221  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11221  
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<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

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124

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<213> *Aspergillus nidulans*

<400> 11224

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<400> 11227

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<400> 11228

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 <213> *Aspergillus nidulans*

<400> 11233

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 <213> *Aspergillus nidulans*

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 aagcaagagt atcgtgtcgt ggggcgtgag gctacagatg atacggcgcc actaaattgg 360  
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<400> 11235

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<212> DNA  
<213> Aspergillus nidulans

<400> 11236

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tggtcttatt ggataatat gagtgatat atcgcgcctg ggacctcgag catgtttat 179

<210> 11237  
<211> 575  
<212> DNA  
<213> Aspergillus nidulans

<400> 11237

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 tgaggagaat ggggtgtcac cgatgggtatg acgaggggct gtttataaca tcacctaaagc 240  
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 gaggggcat actaccatgc ttaggattgg gacctgttga ccgaagacta gattagagga 360  
 ctgcaagaat gatttgacta ccctggtgta aaagcgctcg ccattaatga ccgttgatca 420  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*  
  
<223> unsure at all n locations  
<400> 11240

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 <213> *Aspergillus nidulans*  
 <400> 11241

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<210> 11242  
<211> 1084  
<212> DNA  
<213> Aspergillus nidulans

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 11244  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<212> DNA  
<213> *Aspergillus nidulans*  
  
<223> unsure at all n locations  
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<400> 11246

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<400> 11249

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 ggctactttg catcgcgng tggcgtccac taatgccttc tcacccggtt cgagatcgcc 240  
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<211> 840  
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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<400> 11254

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<400> 11255

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11257

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<211> 193  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 11258

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<211> 367  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 11259

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 gctttgcata naggttaggt gtttgttgga ganaatnact cataggggtn ctgacgaaga 300  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 ggtcgggttag cggagatggt ccctaacata cgcgtcgtgt caaccgtaga tgaagtcagg 360  
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<210> 11261  
 <211> 2467  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11261

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 <211> 226  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11262

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 tttccagtta gntcagatnc tggttgtagc tcatagnatg gtggttgga tggttcagat 180  
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<210> 11263  
 <211> 1723  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11263

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cgactttctc ttcgaggcct catcatcggc tgattttctat tcatccgcaa actggaagtt 360  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11264

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gtgaaggtgg cgcacgttaa gaagcgtggc cggagatctg gcatttgggc tatgtactct 180  
gttctgatcg gatgcgacga tgccatctgt gctttaagat acggggaccc aacatgtgct 240  
gatcgattag cttactctat gagctgagtg gcgcagaact tgcactggcg ccattggcaca 300  
cggcatggat gattgacgat 320

<210> 11265

<211> 306

<212> DNA

<213> *Aspergillus nidulans*

<400> 11265

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tcgcattaac ataccaacag tggatgcatg atctatattg ggtataaaat gggctcacat 240  
ataataggcg ggctatatat gtgcttacaa tttgatcgaa ctgtataggg aagccacgat 300  
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<210> 11266

<211> 126

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 11266

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<210> 11267

<211> 3290

<212> DNA

<213> Aspergillus nidulans

<400> 11267

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 <211> 1675  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11268

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<400> 11270

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 <400> 11276



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acgcgagagg atctccctat cgnacaggnt cagttaacag naggtgattg agtcaaaccg 180  
ntcgatagcg gactggtcga taccgggctt cataagtagc caggaccgag tttgacacga 240  
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<210> 11277  
<211> 2235  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 11277

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<210> 11278  
 <211> 140  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11278

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tgggactttg actctggatg

140

<210> 11279  
<211> 246  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 11279

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ccatgaacaa tgaaccagct gaacctgact ggtacgctgg tgaatcactg caaaagatgt 180  
accgggcata acacctctgg ccttaccac tgcaggcct aacagaatag taatggcgga 240  
tgctga 246

<210> 11280  
<211> 1716  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 11280

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tccacctggc caatttcctc caccgccagg cggctttccc atcccacctc caaacttcca 240  
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<210> 11281  
 <211> 2005  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11281

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 gaacgaggag acccaaaactg tcgcaatgat aaagaccgtt gatgaacgga accggaggag 720  
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2005

<210> 11282  
<211> 364  
<212> DNA  
<213> Aspergillus nidulans

<400> 11282

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ggactttgac gtaccatact gtcgctgtat ccagacatac tatactggac attttgtgac 180  
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<210> 11283  
<211> 291  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11283

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cgagagaacg tgtggtgtcg cgaaatcttc atgtgtttct cgaggggacc aggatacaga 180  
gctcgattat tcgantcgtg gatgggcatg agcatgctgc tgatgagcat gaggaagagc 240  
agaggtattc tcatgaagag gagcgtgcac tggcgcgttg aacggggaag a 291

<210> 11284  
<211> 178  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11284

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ttcgcgagga cacgcgtcat aggcctatac ataaggggaag ttctgggtatg ctgatttttag 120  
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<210> 11285  
 <211> 991  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11285

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<210> 11286  
 <211> 807  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11286

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<210> 11287  
 <211> 2174  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11287

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 tgcgagcgac gatgctattg ggagtaagat ccgccgacgg agctgagcgt attcttgata 180  
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 aatcaaagtg ctcttcgac cctgacttca tgtacttaga gtactcaaag tctctgatat 1560  
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tctcaccctc ctcc

2174

<210> 11288  
<211> 417  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 11288

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ctgnagggct atcgctgagc aactangtgg agangacgga gacgatgatg ttgttcgacg 180  
aatgttggag cttgaggggtt catgtccaga gaagtgtcgc ctctcgggac atgaaaaagg 240  
gcgctgagt ggangtgaca agttggtgcc ttcatacncg ttggtgataa aaatcgtctc 300  
cgtagcgaga cttcggagtc aagaattaca tcaaaagagt agctgaacgc agatgggctg 360  
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<210> 11289  
<211> 461  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 11289

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gaggctgagt gagacgccag actagggatc tgataacggg atatgaacta acagaccacg 240  
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cgaacgcgag cttatctgaa cagcactgtg gtgtagtttt cagcggagtg ctactgatat 360  
ataagatgga cagaccttgt aataagcgca tggaggtgtg tattgttacg gacggaacgt 420  
gtggcgagat taaagcgctt gtgatacgca tcactagctt a 461

<210> 11290  
<211> 508  
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11290

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<210> 11291

<211> 701

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11291

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gacggtagaa acaggggcac gcacgccgac acgcaaacga cgagcggaaa cgaaagctgc 240  
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701

<210> 11292  
<211> 161  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 11292

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ctccttgagt ctggaattga tgggtattgc aagaggtcgt c 161

<210> 11293  
<211> 2268  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 11293

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<212> DNA  
<213> Aspergillus nidulans  
<400> 11294

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 ccagagctgt accctcactt gacggcaata tggacatgac atatactttc aacgaagagg 180  
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<210> 11295  
 <211> 1656  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11295

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<210> 11296  
<211> 841  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11296

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<210> 11297  
 <211> 3107  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<211> 149  
<212> DNA  
<213> Aspergillus nidulans

<400> 11298  
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<210> 11299  
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<210> 11300  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11300

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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
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<210> 11303  
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<212> DNA  
<213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <211> 155  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 11305

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 11306

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<210> 11307  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11307

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<213> Aspergillus nidulans  
<223> unsure at all n locations  
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<213> Aspergillus nidulans  
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 <212> DNA  
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<400> 11310

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 11311

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<210> 11312  
<211> 3178  
<212> DNA  
<213> Aspergillus nidulans

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 <213> Aspergillus nidulans  
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 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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 agtgattact tgattacaag ta 262

<210> 11316  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11316

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 <211> 1348  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11317

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11318

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 <212> DNA  
 <213> Aspergillus nidulans  
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 <211> 492

<212> DNA  
<213> Aspergillus nidulans

<400> 11320

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<210> 11321  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11321

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<212> DNA  
 <213> Aspergillus nidulans  
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 <213> Aspergillus nidulans

<400> 11324

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 <213> Aspergillus nidulans

<400> 11325

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 <212> DNA  
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<400> 11326

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<400> 11329

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11330

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<400> 11334

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 <213> Aspergillus nidulans

<400> 11335

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<210> 11336  
 <211> 411  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11336

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<210> 11337  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 11337

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cataaaatca aaatatagta ttttaccttt tttatgtcct gactactcaa cagggttaacc 180  
cataagccat gggtaatcaa aagcgcgccca tgttggtggcg gggttttatgg gtcattgttta 240  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gtttttggat acccgacagt aatgccgatt ggacgtcgct ggtctgcagc gcggcactgt 180  
 tccataccgc tgtgtatcgg agacctgaaa tgtggctatc agtacgaact gagaacttgg 240  
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<210> 11339  
 <211> 477  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cttaacaggt gcgtctctat ggctacaccg attgccctaa tacatataga catgtacaga 180  
 caagcctgaa cccactctct ttaataacat actgatctcc taaaccgatt attgcgcgct 240  
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 tgactatggg cccttcggat caccatcagc tcaccaggtt cagccgtact acgctgaccg 420  
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<210> 11340  
 <211> 180

<212> DNA  
<213> Aspergillus nidulans

<400> 11340

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gcactagtag caataggctt gttgcagggc gcgaaaaacg agcctagggg gctctgcttg 180

<210> 11341  
<211> 1827  
<212> DNA  
<213> Aspergillus nidulans

<400> 11341

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tgcacctccc tacaatacaa caagagtttt gccagttctg ggaccagaat tatactgggt 240  
acacaaaggc tcaagcggcc caaaacctta tatatttagc gattggacga ggtcgttcta 300  
cctgcgtctt cgtggtacgc agctgtcagg ttaccatctc gcggtgggcg agcggcgagg 360  
cggggccgaa ggggtggaagg cctgatgatg cggcacgcct gattctgcag gatgtgctgg 420  
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 catgtccacc cgtaacgggg cgaatggtag gatatcccc ctcctagcgt aagtcgcccg 1740  
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<210> 11342  
 <211> 203  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11342

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 gttttgtgag tatacacgat cgtagcgcag aggcgctaga gcagntgaag atgccggtgc 180  
 ctttgcgctt atctccggtg gag 203

<210> 11343  
 <211> 579  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11343

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 ctagtgtttt caaccctggc tgtaaaggat tatctgtaga gctttataaa atgctgaacc 180  
 cctagtcaga ccacttgga catatagggc ctggcatgtt ttttaagctc cacagatgat 240  
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 aggtgatccc ctccatgcag cccctagaa ctcaagaaag cacaaccgtg aaagcctctc 420  
 atctaggcca ttgcctgact gtgcacaggg gcagttaggg gtgcacaggg atgaaaatct 480  
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 ctgccatccc accccacaag gtacaaacac attttcacc 579

<210> 11344  
 <211> 200  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11344

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 cagngaggag atcctcggtg tggggagnat ctcgacacc gacgcgccct tccagtgcag 180  
 cggacacgta ggcaagactc 200

<210> 11345  
 <211> 1008  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11345

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gaatgggtcga gccgccttac gtactccac ttctagctcc ctgccaacgc atcttcaccg 420  
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 gagatagtga ttggagttgg gagggatttt actatcgtg accccctct taaaataata 780  
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 gtggattgat tgggtagcg gacttcaata gcattgggat cagtgagttt aacgagcttg 960  
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<210> 11346  
 <211> 414  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11346

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 cttaaccag gcggtattgt aactacacc gaagcactag tattgctaaa gaaatactac 180  
 aacattatgc tagcgtacaa actaatccaa ctctcagtgc ctgaaaacct tcactacatg 240  
 aagcgataat caccagaatg ctagttaact gagataaaag cagcagcgga cactggatc 300  
 ataccacac ccacacagaa cgagaggaat cgcaacacca tttctgagag cattactgga 360  
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<210> 11347  
 <211> 462  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11347



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 acacaaaggc aggccaggtt gcaatatcta tacgctcata ccctatgata aaaaacaggc 360  
 ctgtatggga ttatccttgt tacatacgat attgagaagc tactaactgt ctttaaggatc 420  
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<210> 11348  
 <211> 1191  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11348

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 cgtgcaagtc gacgtgaccg agggcgctcg cattgatatc aagtcctcaa tcaacaagct 180  
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 gactatgtac aagatgggcg agcagattct agcgtaccag ccgcttcttg agactgtcga 480  
 gtactcggtg ccgaataaac attactttga gattgggtgag tcgttaccac atatcctcca 540  
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<210> 11349  
 <211> 547  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11349

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 acatcactct gccagattgt catggacgac tggcaaaaac atgcttactg cactgaacat 180  
 gcgctctcga ctgtcctatc atcgtaatgt cgaacgactg actcacgcaa gcttctctac 240  
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 gaacgattag ccctgtgacc gttccaagtg gaacatatc caacttaatg acgaacatcc 420  
 cacactgacg gcgtactgag atcacgtgct tctaagaccc ctgaatacca ggactgaata 480  
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 tacagcg 547

<210> 11350  
 <211> 115  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11350

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<210> 11351  
 <211> 1362  
 <212> DNA

<213> Aspergillus nidulans

<400> 11351

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<210> 11352

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<212> DNA

<213> Aspergillus nidulans

<400> 11352

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<211> 2376

<212> DNA

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<400> 11353

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11354

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<212> DNA  
<213> *Aspergillus nidulans*  
<400> 11356

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<210> 11357  
 <211> 712  
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 <213> *Aspergillus nidulans*  
 <400> 11357

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 tatatacaaa agtaccttat cctatcctat ataaaacagc acgcttgtga aactcgggtg 240  
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 ccacatcttc ggctcgtgct catgcctctt ctgctcttc cagcacaagt cgtgattgt 420  
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 <213> *Aspergillus nidulans*  
 <400> 11358

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<210> 11359  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11359

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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 agtagagagn agnagtcgta ataangnagn ntaaagtagt tggngaanta tngatagtgn 180  
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<210> 11361  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11361

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11362

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 tctgtaccgg agactccact acagccgggc gcccgactga gctcgactga tgtagaagac 180  
 ccacacgaat tcccatatat catgatctgc ctatacacc agagtgtctt ttatcacctt 240  
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 gctgttgccg aagctggaac ccggacagca tgattagatg gagagttcca gacagctcca 360  
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 tgga 424

<210> 11363  
 <211> 473  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11363

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 agagaatggg gaaccccgac gggagagagc tgggtctgcg cctgtttcaa cacctccacg 180  
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 aagaaccaca gcttcctcta tgggagacaa tatccgaaac agcatgcagc ccggaaagaa 360  
 agagcgggtg tcttttgacg cgtcgcgttc aggatccgat ttggctcatg gtccttacia 420  
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<210> 11364  
 <211> 116  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11364

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<212> DNA  
<213> Aspergillus nidulans

<400> 11365

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ccatcgcaaa tctctct 136

<210> 11366  
<211> 105  
<212> DNA  
<213> Aspergillus nidulans

<400> 11366

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<210> 11367  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11367

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<400> 11378

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<400> 11389

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<210> 11399  
<211> 392  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11399

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11400

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11401

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<210> 11402  
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 <212> DNA  
 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11403

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<210> 11404  
 <211> 446  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11404

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<210> 11405  
 <211> 129  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11405

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<210> 11406  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11406

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 <211> 113  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 11408  
 <211> 544  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11409

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<210> 11410  
<211> 1738  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11410

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 <211> 395  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11411

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<210> 11412  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11412

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<213> *Aspergillus nidulans*

<400> 11413

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 <223> unsure at all n locations  
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 <213> Aspergillus nidulans

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<213> Aspergillus nidulans  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11424

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acgcgaactc tgtcatatat ggatgctaag cacaggatac gaccattccc agagcaccct 480  
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<400> 11425

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11426

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 <211> 141  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11427

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<210> 11428  
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 <212> DNA  
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 <400> 11428

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 attgcatcag gaagagctgg ccggtgagtt tatcgctctg gggctcttcc ccgtcttcag 300  
 catccccctt cttttccttc tctgtgtcat cagccgtagt ttcagcgccc tctgcaggct 360



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 <211> 349  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations

<400> 11429

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<210> 11430

<211> 185

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 11430

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gagttagcgt agatggtgtg ggggttgatc atgccttcgt agtcgcgcat cggcaagagg 180  
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<210> 11431

<211> 492

<212> DNA

<213> *Aspergillus nidulans*

<400> 11431

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ttggagaatg tgagcgcgag tctagctggc acagagaaga cacacggatt gctgcggcac 420  
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492

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<211> 163  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11432

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<210> 11433  
<211> 113  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11433

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<210> 11434  
<211> 3304  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11434

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 <211> 405  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11435

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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<210> 11437  
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 <213> *Aspergillus nidulans*  
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<210> 11438  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11438

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 <213> *Aspergillus nidulans*

<400> 11439

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<400> 11441

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<400> 11446

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<213> *Aspergillus nidulans*

<400> 11447

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12049

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<210> 12050  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 12051  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12051

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 12053

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<212> DNA  
<213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans  
 <400> 12068

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<400> 12069

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<400> 12071

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<400> 12072

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 <213> *Aspergillus nidulans*

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<210> 12074  
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<213> Aspergillus nidulans

<400> 12077

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<213> Aspergillus nidulans

<400> 12078

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cagcgccgg cagcatgtga caaccgg 147

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<213> Aspergillus nidulans

<400> 12079

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 <213> Aspergillus nidulans

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<210> 12082  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12082

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<210> 12083  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*  
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<400> 12085

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<400> 12087

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<400> 12088

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<400> 12102

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<400> 12103

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 <213> *Aspergillus nidulans*

<400> 12106

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 <213> Aspergillus nidulans

<400> 12108

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 <213> Aspergillus nidulans

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<213> Aspergillus nidulans  
  
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<213> Aspergillus nidulans  
  
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<213> Aspergillus nidulans  
  
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 <213> *Aspergillus nidulans*

<400> 12114

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12115

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12116

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12117

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12118

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<210> 12119

<211> 2128

<212> DNA

<213> *Aspergillus nidulans*

<400> 12119

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 <211> 896

<212> DNA  
<213> Aspergillus nidulans

<400> 12120

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<212> DNA  
<213> Aspergillus nidulans

<400> 12121

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<210> 12122  
<211> 252  
<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12126

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<210> 12127  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12127

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12142

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 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12144

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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

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 gggaacgcag ggcggccgcg gcgaaggacg agcaggccac gcacacgagc aagagagccg 180  
 gacagaaggc ccgagaaacg agaaggagca agcacgccga gacggaaagg cgccccagca 240  
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<210> 12152  
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 <213> *Aspergillus nidulans*

<400> 12152

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12153

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 aatgtcatgc ccgccttgag ctctgttcca taaatgcctg acctg 165

<210> 12154  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12154

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<210> 12155

<211> 175

<212> DNA

<213> Aspergillus nidulans

<400> 12155

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catggccagc gacaaaagca ccacagccta ggcgaaaaac accacccacg ccgcc 175

<210> 12156

<211> 527

<212> DNA

<213> Aspergillus nidulans

<400> 12156

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tcactttctg gtgatagtac ataaagaaaa tagagttcta gcactttctt tgttggtatga 180  
taatagtata ctcaacaaaa taaagtaaca ttttcatctt attgggctta ttagaaaaat 240  
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<210> 12157

<211> 852

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations



<400> 12157

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agtggcgaca caatgggtatt atatatatta ttttctgcc ttggctacac attgagacgc 180  
gtttatgttg actattccca gaaagtcctt cacggetcag ttttgtcaaa ccaggcatct 240  
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atgatccatg cgtaccttag caagcctaac cccgagccat tagcatctgt gcaaccaagg 780  
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<210> 12158

<211> 550

<212> DNA

<213> *Aspergillus nidulans*

<400> 12158

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ggatcctttg cggactgcaa caagccaaga tggatcctcg atgaatgccg ccgccgactt 480  
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<210> 12159  
<211> 548  
<212> DNA  
<213> Aspergillus nidulans

<400> 12159

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<211> 440  
<212> DNA  
<213> Aspergillus nidulans

<400> 12160

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12161

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<211> 462  
<212> DNA  
<213> *Aspergillus nidulans*

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<210> 12163  
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<213> *Aspergillus nidulans*

<400> 12163

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12164

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<210> 12165  
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 <213> Aspergillus nidulans

<400> 12165

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 <213> Aspergillus nidulans

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<210> 12179  
 <211> 520  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12179

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agatgatttg caagcgaaga agtccctatc tggttcaatg aagtctctta gtgcgcggaa 300  
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<210> 12180  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12180

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 gcagacctat gataaatgtc cacggaagtg aatggactac ggtgcgcgct gtaggcgtgt 180  
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 gatatcggtc aaaagtccaa ggcgcgctat gttaaacacg agtgatatac atggggtaag 540  
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 actgccccag tgatgcattg ccacactg 628

<210> 12181  
 <211> 370  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 12181

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cgaattatta atttgctaac cgacctccct atgattcagc gattagggac gtgcgtgatg 240  
 ctgatgtaga gacttagaac ggggacgagt atgcggtagc ggtgaagggt tataggggtg 300  
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<210> 12182  
 <211> 115  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12182

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<210> 12183  
 <211> 413  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12183

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 cctacaatgt agacgttacg cgggctctgc aacacctgtt ctgttaccac atttgagttt 180  
 gccctaattc caggcaagcc ggcaagtttc aatgggattt cctagatgct ttgctagag 240  
 tatgactact acgctcaacg cggactggcc ttagcctaag agaaagtga ggtccaacct 300  
 gccagcaagc atacgagaac atgcgttgac tccagtagcg ggacctagta ctgcgcatgt 360  
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<210> 12184  
 <211> 1189  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12184

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gcgttaaagc ctggcgattt gcctctaaat cctaatacagc gattgaaacg ccgcgggccc 180  
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 ccacatcctt acacccgcac tacatcactt cccgatacaa tggttcaggaa gacataaagt 540  
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 ccacacagga tacacatata atgtaggtta tttcaaaagt cctctttcct cgtcaaacat 660  
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 <211> 188  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12185

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 ggtgttcgca gtggcgctgg agctgcagag gagtgcggg gtcgagattg tgcaggtggc 180  
 gaggtgag 188

<210> 12186  
 <211> 139  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12186

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 tatgctgagt tccagtgt 139

<210> 12187  
 <211> 612  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12187

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 taaggcggga ttggatatgc tctgcctcgg aaatccatgt tatgagggag gtaaaaagtc 180  
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 attgggttta ctactatttc ttaactccta tttataattt tggtatttac ctttatatat 540  
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<210> 12188  
 <211> 134  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12188

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 acatatactc ctac 134

<210> 12189  
 <211> 1517  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 12189

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 atcactgtgg ccgacgactt caatcgcaac gtctgcgcct cggccgtccg tgagttcctt 180  
 gacccggttc ttgaggccct cagagtcggt ggcaaagttc cacggctcgg caccgaggct 240  
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<212> DNA  
<213> *Aspergillus nidulans*  
<400> 12190

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 12192  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

<400> 12193

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<213> *Aspergillus nidulans*

<400> 12194

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<400> 12196

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<213> Aspergillus nidulans  
  
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<400> 12197

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<212> DNA  
<213> Aspergillus nidulans  
  
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<212> DNA  
<213> Aspergillus nidulans



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<210> 12200

<211> 3897

<212> DNA

<213> *Aspergillus nidulans*

<400> 12200

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 <400> 12201

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<213> *Aspergillus nidulans*

<400> 12203

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<212> DNA  
<213> *Aspergillus nidulans*

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ccagtctgca ttgagcc 137

<210> 12205  
<211> 2398  
<212> DNA  
<213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12206

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<210> 12207  
 <211> 640

<212> DNA  
<213> Aspergillus nidulans

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<210> 12208  
<211> 2454  
<212> DNA  
<213> Aspergillus nidulans

<400> 12208

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12209

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<210> 12210  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12210

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<210> 12211  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12211

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ggtatggagg aagccgaaga gctacagggg gagacttaca gggccacagg agttga 116

<210> 12212  
<211> 121  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 12212

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<210> 12213  
<211> 594  
<212> DNA  
<213> Aspergillus nidulans  
  
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<210> 12214  
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<212> DNA  
<213> Aspergillus nidulans  
  
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<212> DNA

<213> *Aspergillus nidulans*

<400> 12218

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 <213> *Aspergillus nidulans*

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<400> 12232

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<400> 12233

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<400> 12235

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 tcctgttcca ccggcaacat ccaccacггc caagggggcгc tcggcггtgс atcctcggaa 1740  
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 <212> DNA  
 <213> Aspergillus nidulans

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 gatgcacctt gatgggtgat ga 142

<210> 12241  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12241  
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 ttagaatttt tcgtctггcг gтссcatatt aagatgcatt ggtcaagatt aaa 113

<210> 12242  
 <211> 574  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12242  
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tgtaagataa ataggttttag ttgctctcct gtcggtgctg gggcccgtga ggacaacaag 120  
 cgtctgtaat gttagttaat aggcgattgg tgcggtagat tcgtcttcga cgccttttagg 180  
 gctctactag gtcaagggga tctgtggtag tatcacacaa gatgcggcag gagcttgatc 240  
 cattgctagg actgttgagt gacgtttgag aatctgacgc ccagcaagga gcaagcatgg 300  
 cattcgtagc attgtctgaa tcgagctgat aatacgaggt gacagggttg ccttggcctg 360  
 gaaaccaaga taggtccctt gggtttggct taaaccaaac ttgtccattt ttgggtaagc 420  
 tctaacgagg gaccctttttt tggcaattat aaccttttgt tttaagccac ctacgagggg 480  
 tgggtgcttt ttacctctct attttctatt taaaaaaaaa gtttctttct ttttatttgt 540  
 tctcgggtct ttctttctaac cccatctccc attt 574

<210> 12243  
 <211> 428  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12243

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 acggcccaaa aagagcgagg tcacaataga taagggcact ccttcttagg gtagaagacg 180  
 tactataata agaggagggga agaatttgca gcttgctgat agtacactat ctttctctaa 240  
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 cgcgteccat agaggtcagt cttgtactta taagcgctga ctaggactct cgtctcttgc 360  
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 gcgtatat 428

<210> 12244  
 <211> 580  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 12244

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ggacttggac catgaccgtg aagtattaag cttatgcgct gcctaaagcc tgggttggct 180  
tacctggtg ttccatcgcg agtaactaga agcagagtct taagaataag ctgtattatt 240  
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gcaggcttat tgctcgaatt gtatcgacag ctttaacgct tctcaaatga cgcacctggg 480  
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<210> 12245  
<211> 575  
<212> DNA  
<213> Aspergillus nidulans

<400> 12245

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cataacgaga ctagcgcgag acaaaatgat acacctccgt cttactctac ccttcccccc 180  
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gatcgacgtc agtgcgagtg ccaactgggc ctttaaaactc ctgtcagtag aacgtggcat 300  
caacgttcta ttcacaaccg tacgtaatat gcagaggaag gagatgacag aaaacttgat 360  
agcggagccg accgtactaa attggctgct gcagcactcg gtggactgct atgaattaga 420  
aacgaaaagt cgctcgaaaa gataagacga agggggcgga taaactgaca ttataccoga 480  
caaagagtga cgcgcgtaga cgcgccaccat gtgaagactg gtcaggagcg tattatgctt 540  
cgcgcgtagc gggaaagtac agaggacaca gtatg 575

<210> 12246  
<211> 545  
<212> DNA  
<213> Aspergillus nidulans

<400> 12246

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ttgaaacatc tctccgagag gctacttgta ttatcagcac acgtcgcacg acgttggtca 180  
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taccattgac gccgtcaaag agcctccaca cccatttttag tgacacgcta acgacacaac 360  
ctagcatgtc ctgtcagtga cactgcggca agagaagtgg aaagcggttt tcacgctgta 420  
aacgaagaaa attacagcta ctttgaaaaa atttaaattgt aaggtataga ttgatatgtc 480  
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gggta 545

<210> 12247  
<211> 433  
<212> DNA  
<213> Aspergillus nidulans

<400> 12247

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aggactggta gcttcggtga ccggtgttga cacgtgttac taacgcgtat gtgttccgtg 240  
aaatattgtg accacgagct ggtactgttg actgtcacag acgcgaaggc tagttatggg 300  
ccggtggatt ttgtccgttg tcgcaattat gtgcgctcgc ctgtgatgct tccattgcgg 360  
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tcaggacagg cca 433

<210> 12248  
<211> 499  
<212> DNA  
<213> Aspergillus nidulans

<400> 12248

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ccacttgtat gatagatcat aggggggctag aggccatcag gtatgccaaag accgctcttg 180  
acgaatgctg catgaggcgg agaaccaggc acgaaaccga tggagatgca gacagtgagg 240  
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gcccttaccg tagaggttt 499

<210> 12249  
<211> 561  
<212> DNA  
<213> *Aspergillus nidulans*

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aatccttcaa tctcacataa cgcgggaata caactgaggt ggtatcttgt gtgaaacgta 180  
aaggggtcgt agtggggcgt aacttcaggt gatatagga tcctattggg gatctatatt 240  
gatgacagga ccgttagacc agccgtaagg aatgtgggtt agggtaggaa taaagctggg 300  
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<210> 12250  
<211> 1794  
<212> DNA  
<213> *Aspergillus nidulans*

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gctgcgtcgg ccattgattt ctttccttta cgtaacactg gaactgcctc aggcagcgt 360  
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gatcccgcca tggccagtg cgacgaccct gcgcggtacc cgtccccgtc gacttcctcc 1740  
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<210> 12251  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12251

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ggcatccgac ccacaaaatg gtacatgaaa cgaaccgatg tggaggaaca tgctgactcg 240  
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ggcggcgcca tgcgattacg ggcatacgct atggagctat ggtgatggag cggaacttcc 360  
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<210> 12252  
<211> 274  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12252

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gataggggct cgaccacctc atgaatttca atgtctgggc ctgtggggaa ccctgttgac 180  
gcggaggacg agaggaggta ggatagctgg gtttacgtac tggagatgta ctacgatgta 240  
tcctgtacac tccaatcact catatgacgg gaaa 274

<210> 12253  
<211> 599  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12253

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catacaaggc tgaccgggat gtcgactttt gatgtgaacc acgacacgga acagcgttac 120  
 cgccattacc aatatggccg cttcactaac ttgaagccta tctaccgcaa tcaggacaca 180  
 tgatggacgt acgtgctcct tgacagccca tgcttagcag actatctcac attcgtagca 240  
 ttttagaccc tcgtctgccc ttcattcaag actcctcgtc tacgccctca ttctacttcg 300  
 taaagaaggc cgaccctgcc tcttgtatgg cgacctttac ggcctccgcg ccaacgttaa 360  
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 atccaaaatt ctgcttttga aaggtcttac taaacggcat tggggggcag gatttattcc 540  
 gctatggaaa caaccggtaa tctttcggcc tggcctgcgt tatggggcaa gaccgcccc 599

<210> 12254  
 <211> 3590  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12254  
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 aatcgatgat tattgctgaa agactccctc tattcagcca ttggattggc cgccgcctgc 180  
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 cagccaccga ggttgacccc gcggactttc tctgcactgg gattcgcgcg aggctgtaaa 3480  
 ctactacgag tgagcgagat cttcagcaaa ggccagaaaa ataaatacaa tcagggtgtg 3540  
 caactgaagt acagactgcc aaaagtgagt gtccggaatt acgcttaaag 3590

<210> 12255  
 <211> 266  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12255

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 cgtcgctctt accgctatag gcgataagt atagggcca cttggcgccg tctgctccca 180  
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266

<210> 12256  
<211> 747  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12256

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12257

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 <213> *Aspergillus nidulans*

<400> 12258

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12259

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12260

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<212> DNA  
<213> Aspergillus nidulans  
<400> 12261

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12262

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12263

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 <213> *Aspergillus nidulans*

<400> 12264

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<210> 12265

<211> 2033

<212> DNA

<213> *Aspergillus nidulans*

<400> 12265

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<210> 12266

<211> 997  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12266

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 <211> 644  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12267

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<210> 12268  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12268

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 <213> Aspergillus nidulans

<400> 12269

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 <211> 515  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12270

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<210> 12271  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12271

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12272

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<210> 12273

<211> 358

<212> DNA

<213> *Aspergillus nidulans*

<400> 12273

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<210> 12274

<211> 635

<212> DNA

<213> *Aspergillus nidulans*

<400> 12274

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<210> 12275  
 <211> 898  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12275

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<212> DNA  
<213> Aspergillus nidulans

<400> 12276

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ccaacgtccg acattttggc tgctgatgac gaagaagacc tgaaaagaag taggggggtg 240  
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 <211> 436  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12277

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tccacttaat ctcaaaacat atctgctcgt gtatgactac taatgccagc gaaagataga 180
gaaaatgaat gcgtacctga actgtgtgag gtcagtttaa gcactatact acccatatgt 240
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gccagctctc ctacagagct tcgctgtgta cttgacgctt gtaactgctt gatttttcac 360
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<210> 12278  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12278

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<210> 12279  
 <211> 564  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12279

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tgtggttaag ccgagaggaa taatgcgaat atgtctggcg aggtcggcac agctgatcct 180
taggcctgac aaggagagtg agtccccggt gaggtcgtaa caccgagct atggtttata 240
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catcttttagt agggtaagta gtcgaggac gacgggtaag tatcttcctg cccttcccc 300  
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ccagcctggg gtccgtaaga aaacgcaggc ctgcaaatag ttttctaggt aatcgtattt 420  
gggcttcccc gattacgggg ttggccttca ctccagaccg acctacgggc cctacacgtg 480  
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<211> 506  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12280

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tataattccc ttggaatagt ctgctagtct ttaggatgtg attcaatagg ttaatcgctc 180  
agaatgacct aacagatata gtgaactctg tgctaacttg accgcgctc ctgaaacttc 240  
accgccttga ttcaatagcc cgggtgactgc gtactgcaca ggaaaacact gccggattgc 300  
ttgaactggg gtgagtttaa tagacgtcgg aagaatgaag acgccccctg tacatagtga 360  
tcacatcacc tactaacgct tccgtaacct gtgcgcagat atcgtatact tgaactccgg 420  
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gccgcctaa tagcgcgatt gaattc 506

<210> 12281  
<211> 1717  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12281

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ctacttcgta tctgttaccg actgacaaac atgcataggt gactggttcg cactcatttt 180  
ctactcggca gtaaccaag tccacttcgt gtgatgattt cgacatcgaa tcgagcctac 240

ctagagcttg cgggagttgc cgggcgagcc gagtgggaagg gattttgcac cgctgtttgc 300  
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aagcggaggg tttttttcgc gcatggatcc atcttcaagg ctttagtccc tgcgactatt 420  
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<211> 523

<212> DNA  
<213> Aspergillus nidulans

<400> 12282

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ttatggatgg attataaccg tcctcgctt gtttcaacac aggctataaa tgcctcctta 180  
aaaccaagtg agcgtctgac gtctcgata taggtctttg cgtaattacc gacctaaccc 240  
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cctaacatth ctcccgattt gaccttttt tccgccattc ttcctagaag atattctctg 360  
cgcccagata aacgatgacg tcttctacgg ccctacagcg gttatagaca catcttgac 420  
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<210> 12283  
<211> 383  
<212> DNA  
<213> Aspergillus nidulans

<400> 12283

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tctggcgcg c ttggcgggag gtataatacc gcgtatcata agttatctaa cgtccttccg 180  
tattatgata tctttggacc cgtggcgatg cggccgtggc gcgttagatc gtgggcttta 240  
taaatagaaa gtttacggaa tactaacggt ccgcgtcaag tgccaaggcc ggtaggacg 300  
cgatggcttc ggcggttata tgatcctctt cttactagag ggaatggagg gataatatgg 360  
actcttactt ggactccact ccg 383

<210> 12284  
<211> 1766  
<212> DNA  
<213> Aspergillus nidulans

<400> 12284

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agaagtatac cgtcttgggt gcaggcaagt aatatctgat aacgttggcc acgatagaat 180  
ttggccactt cttggactgg tgccattccc agtggagacc aacctgtcct tcaaatacct 240  
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gcttacggaa atagaatctc gtagatcagg cttctattct attgcttttt gctgggcctt 360  
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ccgaattcgt catataggca gactgccatc tcttcagat atagaccgga cttttgtgag 480  
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atagccggca ggtatcagaa gtttcagcac cgacgtaagt tctggtagca atgactttcc 1680

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<210> 12285  
<211> 364  
<212> DNA  
<213> Aspergillus nidulans

<400> 12285

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cgatgacagc agtggatggg ctagcttctt caaatgcgtc ttggttaggg ttctgacgggt 240  
gatctcgctt tgcattccagg tcctgcagta tcagggtaca cgacacctac acatcggacc 300  
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<210> 12286  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12286

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gcgcgacaat tgacgtgaca tgcattgtaga cgagttaaatt cttagtctac tcccggtaaa 180  
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ttagtcagtc aaaaatgtaa tctgcgggggt ggaactaata gatcgcatga gatgttagat 300  
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gctgtggcga ataaggctgc ccctgagtcg ctaaatagaag atgacgtagc ttgttccgat 420  
tgtgacgttc gggtaacggt ctataacgcg gcgtgtgtat cgttgtgggt tggaccgtta 480  
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<210> 12287  
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 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 12287

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aggatcccca acagctatag cggcttctat gcagggcgag ttgttttaca agaataagta 180
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gttgacagaa attgaactct attggtacta taccctatta atacaaagta taaaacattc 600
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 <211> 578  
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 <213> Aspergillus nidulans  
  
 <400> 12288

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 taggtgtaga aattgattac gagaagctgt taaattta 578

<210> 12289  
 <211> 2166  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12289

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<210> 12290  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12290

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ccggagctac tactcgccgg tgaaggaggt tattgacggg gacctgtgcg aacagcactt 300

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 ccacatgcta acccccccg cagatatttt aacatcagta gcacactcga ttaccctatc 480  
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 <213> *Aspergillus nidulans*

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<400> 12302

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3353

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<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 12303

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<211> 576  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 12304

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12305

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12306

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<210> 12307  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12307

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<210> 12308

<211> 251

<212> DNA

<213> *Aspergillus nidulans*

<400> 12308

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<210> 12309

<211> 1430

<212> DNA

<213> *Aspergillus nidulans*

<400> 12309

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<400> 12310

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <213> Aspergillus nidulans  
 <400> 12313

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<400> 12319

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<213> *Aspergillus nidulans*

<400> 12327

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<213> Aspergillus nidulans

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 <211> 408  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12336

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 12339

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 <213> Aspergillus nidulans

<400> 12340

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<212> DNA  
<213> Aspergillus nidulans

<400> 12341

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<400> 12342

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 <400> 12343

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<400> 12344

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<400> 12345

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<213> *Aspergillus nidulans*

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<400> 12355

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 <211> 418  
 <212> DNA

<213> Aspergillus nidulans

<400> 12357

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gatttggtca aaactggctg tactagctca tcggggcaaa cgtgcgataa cccgagggtt 180  
ccggccggga tgaggcagat tctaggtgaa aactgtggaa gctgagcatg ggtacgaagt 240  
tgattgctag gttctgctag agaattcaac gtagacgttt gctatctcgc ttccgggtta 300  
tgagagctgac tagaccataa gggccgttac agatccctcc ttgtcgttg cgtgtttaaa 360  
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<210> 12358

<211> 735

<212> DNA

<213> Aspergillus nidulans

<400> 12358

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caacaaaacc taccaatacc tctcccccca acaaaccccc caaaccccc cccccctcaa 180  
aacaccccaa cccccacccc agcccaaccc aaccaccccc caccgcgggc cccccccct 240  
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ccccaacccc caacaaacc ccacaccccc cccccacccc aaaaccccca ccaccccccc 360  
caacaccccc ccacacaaga acaccccccc cccaaccccc acaccaaca ccccccccc 420  
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ccccaaaat cccccctccc ccaccacccc ctagccccc cccttaccac ccaccacacc 660  
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<211> 543  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12359

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12360

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 aactccatct ggcgaatcca ttagcgactt cctagccatt gattctcgtg catgacatga 240  
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620

<210> 12361  
<211> 1730  
<212> DNA  
<213> Aspergillus nidulans

<400> 12361

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<210> 12362  
<211> 482  
<212> DNA  
<213> *Aspergillus nidulans*

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<210> 12363  
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<212> DNA  
<213> *Aspergillus nidulans*

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 catgatcaaa tgtaagctat cctaggcccc ctcaagaagca agctcatgcg ttgtaatcct 360  
 ccgctgggat gatcacttcc tcagctctat aagcttttcc ccttctactt caattgaaat 420  
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<210> 12364  
 <211> 496  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12364  
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 ctcaacaagg gatgtgttcc tgcgcgtgaa tacctgaatt gcgtacctgt aacatcagat 180  
 gggaatctgc acgctgggac gttaggatac tttatccacc aagattcacg atctcacaca 240  
 aatagttaga gttgtgactt cagcctcggc gacgcgtagt ctagctgtcc cgcccggatg 300  
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<210> 12365  
 <211> 4302  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aactacata cctaagtcgg ctgtgataca agagcctgac gaatcatccg tttcgcagcc 420  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 12366

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<210> 12367  
<211> 2003  
<212> DNA  
<213> *Aspergillus nidulans*  
  
<400> 12367

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12368

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 ctatatattg aaacatactc cgcacgatac cgcggtaatc aactccgtgt aggagctgac 240  
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 aaaaaaaaa agctaactcg caagcaaccg cgccaaccag cgcattctct atacaagtgc 360  
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 tttcgggaaa ttggtcccag gctattaagg accccgcctg ttgcctcaaa tcaacgaaca 780  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12369

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12370

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 cgtagtctca ggggtctaga gtccgtagca gcagtagtag tagattctgt agtagttagt 240  
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 aagactgata tagcttcccc aatattaact tcactaatct gatggcttac tgcttaaccg 420  
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 cgggatgctg ttagcaacca tctagattgc tagcgtatca tcacgccgac acgtcgaacg 540  
 gctaacgctg aattgacgtg acggaggtat aggaaccac ctgcctggcc ggggcgagcc 600  
 gacgtagaga ttgtgtcggg tcttcacccc acgtccagtc tctaacaga 649

<210> 12371  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12371

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 gaggaagag aaagaagtat gaaccgggca ggacccgagg aagaagatat actgcttaag 180  
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 tttctgagat gcatacttag tttactatag cctatgtgta ctggaatggg aataactttc 420  
 tctgatccgg gatcgccaaa ttactgtgct ttgaacaggt aatacaactc ctttttgcac 480



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 ggaaaactca ttactattca aatttgggct taacgcgggt gtttttgaaa ctccccgtg 600  
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<210> 12372  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12372

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885

<210> 12373

<211> 740

<212> DNA

<213> *Aspergillus nidulans*

<400> 12373

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tctgacattg taaccgagcc cccctttatt aaatattcta ccgtgaatac atctattcag 660  
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<210> 12374

<211> 286

<212> DNA

<213> *Aspergillus nidulans*

<400> 12374

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tctgatgaa tgttcggagt gcgttccttg gggatgattg taaaacggct ccctacttct 180  
tccggtaaac gttgaaaacg ggccacaaac gaaaataaca tgggtataca tttcctatct 240  
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<210> 12375  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12375

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 aactaaacc tcacaataaa aactgtttta attggtaact aacacatgag atcactacac 240  
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 gggcgcgaga aggagccgcc gattgggtcta taggattgag atgccgogca cgaaccgcga 420  
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<210> 12376  
 <211> 3922  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12376

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<211> 563  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12377

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<210> 12378  
<211> 3537  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12378

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 <211> 517  
 <212> DNA



<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 12379

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<210> 12380

<211> 1602

<212> DNA

<213> Aspergillus nidulans

<400> 12380

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 <211> 560  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12381

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 aagtgtgcy tcgtgaggat ttgcgcgcga ggggtgctg agcccttact agaatagagg 480

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<210> 12382  
<211> 560  
<212> DNA  
<213> Aspergillus nidulans

<400> 12382

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<212> DNA  
<213> Aspergillus nidulans

<400> 12383

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 <213> *Aspergillus nidulans*

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<212> DNA  
<213> *Aspergillus nidulans*  
  
<400> 12385

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<211> 611  
<212> DNA  
<213> *Aspergillus nidulans*  
  
<400> 12386

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<400> 12387

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 <212> DNA  
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<400> 12388

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<210> 12389  
 <211> 534  
 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12391  
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<210> 12392  
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 <213> Aspergillus nidulans

<400> 12392

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<210> 12393  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12393

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<210> 12394  
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 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12394

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 <213> *Aspergillus nidulans*

<400> 12395

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12396

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 <213> *Aspergillus nidulans*  
 <400> 12397

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<211> 2653  
<212> DNA  
<213> Aspergillus nidulans

<400> 12398

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 12399

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<210> 12400  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12400

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 <211> 121  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 12401

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c 121

<210> 12402  
<211> 149  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 12402

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<210> 12403  
<211> 99  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 12403

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<210> 12404  
<211> 129  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 12404

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<212> DNA  
<213> Aspergillus nidulans  
  
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<210> 12406  
 <211> 1171  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12406

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 <213> Aspergillus nidulans  
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 <400> 12407

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 <213> *Aspergillus nidulans*  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12412

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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<210> 12414  
<211> 1134  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12414

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12415

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12416

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 <213> *Aspergillus nidulans*

<400> 12417

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12418

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 <213> *Aspergillus nidulans*

<400>

12419

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12420

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<400> 12421

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<213> *Aspergillus nidulans*

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<212> DNA

<213> *Aspergillus nidulans*

<400> 12427

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<210> 12428

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<213> *Aspergillus nidulans*

<223> unsure at all n locations

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<212> DNA

<213> *Aspergillus nidulans*

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<212> DNA

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<210> 12434  
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<213> Aspergillus nidulans

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<211> 138

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<210> 12449  
 <211> 998  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12449

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<210> 12450  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12450

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996

<210> 12451  
<211> 597  
<212> DNA  
<213> Aspergillus nidulans

<400> 12451

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<210> 12452  
<211> 141  
<212> DNA  
<213> Aspergillus nidulans

<400> 12452

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<210> 12453  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12453

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<211> 980  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12454

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<210> 12455

<211> 146  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12455

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 gccagtccca cacgtacaat cacata 146

<210> 12456  
 <211> 861  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12456

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 acaaaagatg caccgccacc tcatatcggc acggccacag ccatggccca gccacacctc 180  
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<210> 12457  
 <211> 1395  
 <212> DNA



<213> Aspergillus nidulans

<400> 12457

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<210> 12458

<211> 711  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12458

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<210> 12459  
 <211> 861  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12459

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12473

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585

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<213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12482

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12483

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 tatggcgaaa tgctactgct atcttgatat 150

<210> 12484  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12484

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<211> 589  
<212> DNA  
<213> *Aspergillus nidulans*

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gagctagcta cgacgcgaga gtgcctacga gcaagatcgt cagtcttcaa gtaggaccga 480  
tttacagacc ggatatacga cagaccccat gtagtagctg gatacgaatg atgttatgcc 540  
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<210> 12486  
<211> 104  
<212> DNA

<213> Aspergillus nidulans

<400> 12486

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<210> 12487

<211> 1098

<212> DNA

<213> Aspergillus nidulans

<400> 12487

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taagctgagc acaatagacg taatgtgtct gggctgagct gagcataaaa gaagacgggg 180  
aaaatttagg aaaagaggaa ccacgcctg atagttttcg ttgacaatag tatcacgcct 240  
tctataacct attatgaatg agtgagggtt atcttttcag tttggttaca tacaggagag 300  
gagccaagga tgaacgcttg gagtcaggac gacgtatgca tgcattgtaca aatgacccaa 360  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12488

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 actcctaaga tatggtatga gggcaggtat actctgagac tatcacaact atgcaccatc 360  
 cgctacgcaa agcctgatac actcactgtc ggggtctaga ttttgcatat gtttacagcg 420  
 caaattctga aggggatcat acttcgaccg tgcacatata tgtctcatca ggggatagta 480  
 ggagagagct gacaacaaag gccacttggt gagcagtggc tgataaattt tcggggcatt 540  
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<210> 12489  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12489

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 gagtagtgaa acccagctgc attggctagg taagtgccag aaagaaccaa tgcttttttc 240  
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tttgggctaa tacgtcctcc acaggcgata tggagaaaat taatgtgaac ttaagttatg 540  
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 cctacaccaa acgaacgatg ctatacagcc agccaaggat ggccacgaga taacttggga 660  
 ggtacttgga tatagtagta tattcttaga cctacaaata ggcgtaataa tccctctgaa 720  
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 cggctgtctt aaaccccact agggagtact gataactgtg tctcaaaaaa gtatgaacat 840  
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<210> 12490  
 <211> 271  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aggaattgga ggatgtctat gagagtagag tagatatagt tgatatgagt gcgaggaatg 180  
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<210> 12491  
 <211> 3082  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 <211> 559  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 12492

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gcgcttggtg tgggcctact gctgttcata gctgcctggg cctcgagta atcgaggctg 480  
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atcagcccat acccagtcg 559

<210> 12493  
<211> 184  
<212> DNA  
<213> Aspergillus nidulans

<400> 12493  
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aaaatatagc tcttagatca tgaaaagata tgtaagata tggcagcgga tgaaggtatt 180  
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<210> 12494  
<211> 660  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 12494

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<400> 12505

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 <213> *Aspergillus nidulans*

<400> 12507

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<400> 12508

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<213> Aspergillus nidulans  
<223> unsure at all n locations  
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<213> *Aspergillus nidulans*

<400> 12511

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<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
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<212> DNA  
<213> *Aspergillus nidulans*

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<210> 12521  
 <211> 445  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 12521

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 gggaaccagc gctggccgct tgggggcctt gtgccagtgg aactggtcgt tgggtatacc 180  
 tacatgatcc tctcgagagg cgctagggaa taacatctcg ttagtggacg aacacagtgg 240  
 atgactggtc tctgacaccg agatagacac tgtcgtgatg acacactcga gcggtactgc 300  
 acgatggagc cccctgcctg aggcccggtg aacatgcctt ggcacaggag atagcccacc 360  
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 agcagccggg ccgggtcaag gatag 445

<210> 12522  
 <211> 814  
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 <213> Aspergillus nidulans  
  
 <400> 12522

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 ccatagaaaa actcaagaaa cgtatgcaaa agacgggtga tcagggcgac ttctgggacc 180  
 gggtaatcgt caaaagtgcc gacgggaacc aatcaggaga tggaatgagc tatggcgaga 240  
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 agctatacat cactcactat attttcctat actctatcga ctttttgttt tagtttctta 420  
 gtcattcaca ttttcttcat tctaccttta aatctttatc tctctcctc ctttttctc 480  
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ccactattct ttttttttcc ctattttctc tctcttcttc atttccgttc tccattctct 660  
 cttactctcc ccccttttcc tctccgtctt ttctattctc atttctcatt acctctattt 720  
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 <211> 171  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12523

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 attgtggccg agtcgatatt ccataattaa catatgtag cgcgcgagct c 171

<210> 12524  
 <211> 749  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 12524

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 cgaatactgc caaaggatgg tagagctgcg cgaggcttca acaccccatc aaactcatca 180  
 ttgtcgggtg accgcaaagg tgaggatttc cttttgtgaa gattaaacca acttgttttt 240  
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 gcagccactc ccacaatttc cgctcatct tcaaagctaa ccttcacggg ttctctgagg 360  
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 cttttcatgg cggacttagc cggggagaga gaccgtnag gagcgaagta aanttgatcc 540  
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 gctgtctaaa gctgcggctg tcgctacgaa ccaattccga tgctgtttcc ctgcgaggcc 660  
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749

<210> 12525  
<211> 800  
<212> DNA  
<213> Aspergillus nidulans

<400> 12525

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cacccttgcc gaccacaaat ctactcttta ccttaccgaa ctttacctat atgcacatca 660  
acctatcccc caactcacac taactcccat cttctctcac ataaccttta accaatatcc 720  
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<210> 12526  
<211> 124  
<212> DNA  
<213> Aspergillus nidulans

<400> 12526

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atgg 124

<210> 12527  
 <211> 614  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 12527

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 aagaccggcg aggaacgacg tgtgactctt accaaggacg acggtgttcg ctatggaaca 180  
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 ggcggaaact cgagccaggt tacggacggt gcggcggctg tccttctcat gagacgcagc 300  
 aaggcgattg aacttgggca gccgatcctg gcgaaattcg tcggcgcgac tgttgccggg 360  
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 gcggtgtatt gccgtgaaaa gttgggtctg gaccatgcga aggtaatcct aggggtggtg 540  
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<210> 12528  
 <211> 478  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <400> 12528

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<210> 12529  
 <211> 536  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12529

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 acaccggaac agacacgaga gctcagcgac tgcattggaca gcaacaggca ccaccgcagc 180  
 aaggacaacg ggctcactat cttagcagc gcgcacagat gcatccaacg agacagggca 240  
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 cagatcgaga atgatctgag ataggccgtc acatgactga gcctaaagag tggaggttcc 420  
 ctcagaaaac ggctacgaca ggggcccggg catgactaag cagcagagtg gaacagaaga 480  
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<210> 12530  
 <211> 571  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12530

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 cagacacccc acatacaggc caccggcacc gcaacgcgcg agccaatggt ccaggcacag 180  
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 cccacagcag acgaaacgca gaagaacacg cacatacaca cctggagaaa cggcacggac 300  
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 gaacggacca cggggcaaca ccaaggagtc tatgcggagg ccgggaccaa gaaccatgag 420  
 tgccaaacct cggaagacta ctgggttgag aggagtaccc cgtggcacac gatccggaca 480  
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<210> 12531  
 <211> 4109  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12531

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 aaagagccga acgggagagg tagacaggaa gccggtcttg tgctccctgt actcttggag 180  
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<210> 12532  
 <211> 2885  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12532

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<400> 12538

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<400> 12541

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<213> *Aspergillus nidulans*

<400> 12543

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<400> 12544

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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 12546

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<212> DNA  
<213> *Aspergillus nidulans*

<223> unsure at all n locations  
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<213> *Aspergillus nidulans*

<223>        unsure at all n locations  
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 <213>        *Aspergillus nidulans*

<223>        unsure at all n locations  
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<213> Aspergillus nidulans

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<212> DNA

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 <212> DNA  
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<400> 12567

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 <213> Aspergillus nidulans

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<400> 12573

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<400> 12574

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<213> Aspergillus nidulans

<400> 12577

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<211> 898

<212> DNA

<213> *Aspergillus nidulans*

<400> 12578

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<211> 941

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<400> 12579

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<210> 12582

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<212> DNA

<213> *Aspergillus nidulans*

<400> 12582

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 <213> *Aspergillus nidulans*

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 <400> 12597

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 <223> unsure at all n locations  
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caaagtactg cggcgccacg tgcgtgangg aacacgtcaa tacccgtcag cgccctaaac 240  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12599

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<213> Aspergillus nidulans

<223> unsure at all n locations  
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<400> 12601

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 12603

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<400> 12604

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 <213> *Aspergillus nidulans*  
  
 <223> unsure at all n locations  
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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans  
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<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12612

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 <213> *Aspergillus nidulans*  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12614

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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 12618  
<211> 433  
<212> DNA  
<213> Aspergillus nidulans  
<400> 12618

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<210> 12619  
<211> 149  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 12619

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gacgaacatt tgnatcgggg gtgtccaga 149

<210> 12620  
<211> 116  
<212> DNA



<213> Aspergillus nidulans

<400> 12620

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<210> 12621

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<212> DNA

<213> Aspergillus nidulans

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<210> 12622

<211> 150

<212> DNA

<213> Aspergillus nidulans

<400> 12622

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<210> 12623  
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<210> 12624  
<211> 275  
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<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
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<223> unsure at all n locations  
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<400> 11459

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 <213> Aspergillus nidulans

<400> 11470

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<400> 11471

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11472

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 <213> Aspergillus nidulans

<400> 11473

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 11475

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<213> *Aspergillus nidulans*

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<400> 11478

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 <213> *Aspergillus nidulans*

<400> 11479

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 <213> *Aspergillus nidulans*

<400> 11480

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<400> 11481

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11483

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 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
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<400> 11489

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<400> 11490

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<400> 11493

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<210> 11494

<211> 429

<212> DNA

<213> *Aspergillus nidulans*

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<400> 11498

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213

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<400> 11525

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<213> Aspergillus nidulans  
<223> unsure at all n locations  
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<400> 11545

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<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

<400> 11549

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 <213> *Aspergillus nidulans*

<400> 11553

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<400> 11554

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 <213> Aspergillus nidulans

<400> 11555

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cattcacaca ccccgtaa accttacctg gaacttgttg tgcgcattat gcaccatgat 480
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<400> 11556

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 <213> Aspergillus nidulans

<400> 11557

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<210> 11558

<211> 170

<212> DNA

<213> *Aspergillus nidulans*

<400> 11558

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<210> 11559

<211> 472

<212> DNA

<213> *Aspergillus nidulans*

<400> 11559

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<210> 11560

<211> 2426

<212> DNA

<213> *Aspergillus nidulans*



<400> 11560

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 <213> Aspergillus nidulans  
 <400> 11561

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11562

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 <213> Aspergillus nidulans

<400> 11563

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 <213> Aspergillus nidulans

<400> 11564

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<212> DNA  
<213> Aspergillus nidulans

<400> 11565

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<210> 11566  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11566

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<210> 11567  
 <211> 632  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 11568  
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 <212> DNA  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 11570

<211> 3605  
 <212> DNA  
 <213> Aspergillus nidulans  
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<400> 11575

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<400> 11577

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<400> 11623

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<213> *Aspergillus nidulans*

<400> 11624

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<400> 11625

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<400> 11626

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 <213> *Aspergillus nidulans*

<400> 11627

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 <213> Aspergillus nidulans  
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<223> unsure at all n locations  
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<213> Aspergillus nidulans

<400> 11634

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 <213> *Aspergillus nidulans*

<400> 11636

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 <212> DNA  
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<400> 11641

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 <213> Aspergillus nidulans  
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<213> Aspergillus nidulans

<400> 11643

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 <213> Aspergillus nidulans

<400> 11654

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 <213> *Aspergillus nidulans*

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tcgcattcat tcccatatca cgatcatttg ctctggcacc ctgccaaaaa aaattcggag 420

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<210> 11659

<211> 2722

<212> DNA

<213> *Aspergillus nidulans*

<400> 11659

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 <212> DNA  
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<400> 11662

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 <213> Aspergillus nidulans

<400> 11663

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 <213> Aspergillus nidulans

<400> 11664

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<400> 11665

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<213> *Aspergillus nidulans*

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<212> DNA  
<213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

<400> 11670

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11671

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 <211> 2266  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11672

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<212> DNA  
<213> Aspergillus nidulans

<400> 11673

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<400> 11674

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<210> 11677

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<213> *Aspergillus nidulans*  
  
<400> 11681

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 <213> *Aspergillus nidulans*

<400> 11682

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 <213> *Aspergillus nidulans*

<400> 11683

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11685

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aaggaagacg cgaggccggc agagccacac gcggaggaga cacagaaaca ccagcgacac 180

acggcacaca acccggc aaa ggaccactcg cgaggctctg agaaaagcga acccagagag 240

aaccgacagc acgaacaaag gaacggaaca cggcggaaaa gccagagcac agagaaacgg 300

ccggaccaga aagcgacgga g 321

<210> 11686

<211> 182

<212> DNA

<213> *Aspergillus nidulans*

<400> 11686

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gg 182

<210> 11687

<211> 624

<212> DNA

<213> *Aspergillus nidulans*

<400> 11687

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cgctcatatg cataaactg cacatagcga atataattat gcacctgggc aaattactgg 180

tcagacgact tgaacatatg acaagggctt agatacatta accaagcgag aatgaccaat 240

cccaccatgg gacgctggga aacgtgtagg ttcataaaca gcgtatatat gattgttacg 300

ggaacatgat gacctggctg acgectacac tctgacgcaa cttgcattcg cgagccaagt 360

gcggtatccc aactaccat attgcacact atgctgctac gcaggctgag catatgcagt 420

atatacaccg gcttgtacac gtgttatgtg tattaaaaga ggcttaacgt agaatgtcga 480

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<210> 11688  
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<212> DNA  
<213> Aspergillus nidulans

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<210> 11689  
<211> 240  
<212> DNA  
<213> Aspergillus nidulans

<400> 11689  
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gcgcttaata ccaactgcaa cattgggcaa tgaaccgcac ttgaactgga gctaggtccg 180  
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<210> 11690  
 <211> 515  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11690

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aactaggcta gcaagactac ttgcgactgc cacagcggag tatgaggaac atgaaccctt 180
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 <211> 3700  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210>

11692



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<212> DNA  
<213> Aspergillus nidulans

<400> 11692

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ccaccacccc 130

<210> 11693  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11693

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cctgtagttg cagtaattgg gccgggtgtc cagggtattc cgcagttcac gtgcccggtc 420  
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<210> 11694  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11694

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ttatataaca caaaagttct actttgtctg gatagatcag cctaagaata gattcttctt 180  
tactatcagt attcttctta taatattcta tacttagttt agattttttg ggccttgta 240  
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tgctcaatct tttatactaa agttatttaa actgttattc taactctaaa aattacttaa 360  
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<210> 11695  
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<213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

<400> 11707

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<400> 11708

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 <211> 239  
 <212> DNA

<213> Aspergillus nidulans

<400> 11720

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ttcagataga caactgagat ctatcaagcg cgcacccgcg gcgagaaaaa tgcatagcca 180  
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<210> 11721

<211> 114

<212> DNA

<213> Aspergillus nidulans

<400> 11721

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<210> 11722

<211> 592

<212> DNA

<213> Aspergillus nidulans

<400> 11722

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gggtcagacg accaccacgc ccataaaaaa ggccaacgca cagagaagag acaggaaggc 180  
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<210> 11723



<211> 182  
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 <213> Aspergillus nidulans

<400> 11723

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 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11725

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11726

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 ggccggagag acagcacaac aaggacaggc ggaaccaagg cggcgagggg agcggggcga 180  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11727

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11728

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<210> 11729  
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 <212> DNA  
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<400> 11729

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 ctgataaactc tgcatacttt gtgtacttcc tttgctttgt ttgtcttcaa tggttcttaa 180  
 aatagataca tccacaatac tcaacacgct aatcacgtct tgcattctctt atcgttttat 240  
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 <213> *Aspergillus nidulans*  
 <400> 11730

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 <212> DNA  
 <213> *Aspergillus nidulans*

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<213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11736

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 11738

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<400> 11741

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 <213> *Aspergillus nidulans*

<400> 11742

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<213> *Aspergillus nidulans*  
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<213> *Aspergillus nidulans*

<400> 11744

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<213> *Aspergillus nidulans*

<400> 11745

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<213> *Aspergillus nidulans*

<400> 11746

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229

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<212> DNA

<213> Aspergillus nidulans

<400> 11747

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<400> 11748

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<400> 11749

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 <213> Aspergillus nidulans

<400> 11750

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<400> 11751

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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

<400> 11756

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 <213> Aspergillus nidulans

<400> 11757

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<210> 11758  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11758

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<211> 172

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<213> Aspergillus nidulans

<400> 11759

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<213> Aspergillus nidulans

<400> 11760

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<213> Aspergillus nidulans

<223> unsure at all n locations  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11762

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11763

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<400> 11764

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11765

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<213> *Aspergillus nidulans*

<400> 11766

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<213> *Aspergillus nidulans*

<400> 11767

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 <213> *Aspergillus nidulans*

<400> 11768

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 <213> *Aspergillus nidulans*

<400> 11769

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 <213> *Aspergillus nidulans*

<400> 11770

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 <400> 11771

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<400> 11772

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<213> *Aspergillus nidulans*

<400> 11773

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<400> 11774

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<213> *Aspergillus nidulans*

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<400> 11776

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<213> *Aspergillus nidulans*

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11779

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<213> Aspergillus nidulans

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<400> 11783

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<213> Aspergillus nidulans

<400> 11784

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<213> Aspergillus nidulans

<400> 11787

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<212> DNA  
<213> Aspergillus nidulans

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<400> 11793

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 <213> *Aspergillus nidulans*

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<213> Aspergillus nidulans

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<210> 11814

<211> 212

<212> DNA

<213> *Aspergillus nidulans*

<400> 11814

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<210> 11815

<211> 1987

<212> DNA

<213> *Aspergillus nidulans*

<400> 11815

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<210> 11817

<211> 2374

<212> DNA

<213> *Aspergillus nidulans*

<400> 11817

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 <213> Aspergillus nidulans  
 <400> 11818

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 <213> *Aspergillus nidulans*

<400> 11819

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<400> 11820

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gattggatag atcctcactg tgccgccaca tacggatcgc tagaacctta caaccgatta 180
tcgcgactct cttctcttac cctagaatgc actgagccag gacgtaaaca gcgtacattg 240
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<400> 11821

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<400> 11823

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<210> 11826  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11826

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<212> DNA

<213> *Aspergillus nidulans*

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<210> 11836

<211> 3737

<212> DNA

<213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11839

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<210> 11840  
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<400> 11840

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 cctgcattaa ttggaccag accagctcaa tgcagggtgt taccgacgta gtcggacgaa 300  
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 <213> Aspergillus nidulans

<223>        unsure at all n locations  
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gattagagat gcggcatact aggtgactaa catgcattaa tagcgcttaa cacataaatg  360
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<210>        11842  
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<212>        DNA  
<213>        *Aspergillus nidulans*

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tgtgatggag gaccgtgggc gggctgatgt catggcgggg acagtctctgc cctggctgcg  240
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agatattcag tatacattca atagccatgg atcgccgaca gggctcagac ttgtctagac  540
atthtgcact gagatacctg ggcccatatg catgacgtcg aagagaaggg tagcgcattt  600
atgtcgatat ttcgctggca cccgatcttg aacccatcct cgaaagagga cgcaggtatc  660
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atcaagttga ttgcgaggag ctcgtagaga acgcgcgtac ggcgggcggtt cttctcaggc 1860  
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<210> 11843  
<211> 871  
<212> DNA  
<213> Aspergillus nidulans  
<400> 11843

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 aaggttgccc tcaataaatt agtgggtcaa gggattgctc tcgatttgct gccgtagtag 180  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11844

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 agcacacgac ggagaaaccc aacacggcag agcagaccaa acacgccgcg acaacatacc 300  
 aacagcccgg gaacaacgca cccgacagga cggggagcca gaacaccaca acacccaagg 360  
 gcccgcgac agcaagaacg ccatgccgcg gccgccaag gaccccccg gaccctgagc 420  
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<210> 11845  
 <211> 889  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11845

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<210> 11846  
 <211> 111  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11846

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11847

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agctcaggaa aagaccgaca cttgggatgt cagaatcact acaacatagc ttcagtatgt 180

cattacaata cagcatgctt agttcactac aatagatatt gtataatccc cctatataat 240

tgcg 244

<210> 11848

<211> 121

<212> DNA

<213> *Aspergillus nidulans*

<400> 11848

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<210> 11849

<211> 179

<212> DNA

<213> *Aspergillus nidulans*

<400> 11849

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tggcggggga cgtggtgttg aggtgaagga gggtagagga gcgtgtgggg tgggtgtggg 179

<210> 11850

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<213> *Aspergillus nidulans*

<400> 11850

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ggagaatgct catacacagc gagagacagc acttagtcgt acagcaagac aagatgcgcg 180

acgcatacag agactggaag cagatt 206

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<212> DNA  
<213> Aspergillus nidulans

<400> 11851

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<212> DNA  
<213> Aspergillus nidulans

<400> 11852

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ggaggaagga tcgagaggcg gccagacgcc catccgccg ccggagggac cagagaagga 180

cacaagcgcc gcaatgcgca gacacgacga tggcccgaaa ttcaatgttc cagcggaggg 240

cgaatcgggc aacgacaagt cacagggacc accggacggc ctccggggccg ggatagcgcg 300

ctggaaagtc ccatgcaacc agcagcccag gcagaaaccc cagggcgcat acccaggcct 360

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<212> DNA  
<213> Aspergillus nidulans

<400> 11853

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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gattttggac gggccattc gggggtgaaa cctggacttg aaggcctaata tctgggggtta 180  
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 aaaggagggg ttgtattgta 260

<210> 11855  
 <211> 154  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 tcatttactg cagatgggcg cagaagctgt acag 154

<210> 11856  
 <211> 692  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11856



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<223> unsure at all n locations  
<400> 11857

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<211> 173  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 11859

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<210> 11860  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11860

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<210> 11861  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11861

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tgcaggaatc gaatatattc agcaaaaaga ggacgagaaa ctaccgactc atccttgtat 240  
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<211> 144  
<212> DNA  
<213> Aspergillus nidulans

<400> 11862

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<210> 11863  
<211> 100  
<212> DNA  
<213> Aspergillus nidulans

<400> 11863

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<210> 11864  
<211> 1012  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11864

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<210> 11865  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11865

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<210> 11866  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11866

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<212> DNA  
<213> Aspergillus nidulans

<400> 11867

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<210> 11868



<211> 970  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11868

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 <213> Aspergillus nidulans

<400> 11869

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11870

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<213> *Aspergillus nidulans*  
<400> 11872

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 <212> DNA  
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 11874

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 <213> Aspergillus nidulans  
  
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 <400> 11875

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11876

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<210> 11877  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11877

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<212> DNA  
<213> Aspergillus nidulans

<400> 11878

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 <213> Aspergillus nidulans

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<223> unsure at all n locations  
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<400> 11898

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<213> *Aspergillus nidulans*

<400> 11915

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<400> 11919

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11920

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<213> *Aspergillus nidulans*

<400> 11927

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<400> 11928

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 <213> Aspergillus nidulans  
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 <213> Aspergillus nidulans  
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<213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11932

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<212> DNA  
<213> *Aspergillus nidulans*

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11935

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<210> 11936  
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<212> DNA  
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<400> 11936

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<210> 11938  
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<212> DNA  
<213> *Aspergillus nidulans*

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <213> Aspergillus nidulans  
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<210> 11942  
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 <212> DNA

<213> Aspergillus nidulans

<400> 11942

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11943

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 <213> *Aspergillus nidulans*

<400> 11944

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<210> 11945  
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 <212> DNA  
 <213> *Aspergillus nidulans*



<400> 11945

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<210> 11946

<211> 284

<212> DNA

<213> *Aspergillus nidulans*

<400> 11946

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catatcatga caatacccaa tattacaggg atatacatat atttaagaga agacataacg 180  
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<210> 11947

<211> 167

<212> DNA

<213> *Aspergillus nidulans*

<400> 11947

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167

<210> 11948  
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<212> DNA  
<213> *Aspergillus nidulans*  
  
<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*  
 <400> 11950

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ctctccatcc tcgctcctaa cccacttctc caattggccc ccccatagcc ctccaaaata 1740  
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<210> 11951  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11951

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tagccgtttt catgaaggta ctcgatatac tcacttcag gctgggcaaa gtcaagcgca 180  
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gaaccaaagtg tgggcgtgtg tacagagatt gacctagtga ctgttctggg ttcttctctt 360  
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tagttgaacc cgtcctacca ggatttaaaa gcttcggcct ttgcccggag atacaggcgg 480  
gaatacctta ctcccctttt ggaccgtttt aaaccaggtt taacacccta ttgagttta 540  
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<210> 11952  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11952

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cgtgocgacc cgcttgctc caatcctatt agcctagaaa gttcattcta tcttctttac 180  
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cttgttggct gacttaacag ataactgctg tctccttata tatctcctac ctacttacat 360  
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ctctatatca accctatctg aaaaaacctt gaccagtagt cggcttcatt aatatgatgc 480  
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 caataatctc tcgttctaaag ctaagttact attacttacc ttaatcaaat ctatgtctaa 600  
 gtcctcattg tgtctatatt cactctttta atgattgcct cgctccaaaa ttaatgattg 660  
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<210> 11953  
 <211> 1347  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11953

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 ttcgatggtt totacagtat aagattgact taagggctcc cccgccttta aaatttctaa 180  
 aatttcctaa atgcaatggg tgtaccagtc actttgtaaa agaccattgc attatcgata 240  
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 gccatcacga ggcggtgcaa ggctggctag tacaagaacc gcctatgaaa atcaacaaca 480  
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<210> 11954  
 <211> 630  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11954

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 tagcacgtgt agtcgtgaga cgtaccatgt atgtccaggt tgtttaagag actggcggtg 180  
 cccacttcac ctacgcagcc aacgtaccg taggcatgca cgacacctct ctcaaagcgc 240  
 aaaaaaatc gaaggtaaac gaaattaatt tccattcggg gaatggaccc ctggcctttc 300  
 ctttgaaaaa ccggntatgt tacccttacc ccattgggtt ttattgtatg ttcaacctta 360  
 aaaaaaaact atttttttgg gcgttttttt ggggtttttt attttttttg cgccttcttg 420  
 gtatctcttc taaagagggt ctaacaagtt tgggggcgcc ctcccataa acttttttct 480  
 ttcatttata ttttaatttt acacatcaac atttaatttt atttataatt tttttaataa 540  
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<210> 11955  
 <211> 573  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11955

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tatgatgggc agccgctcag tcaggtaccc gctggctaag ggatgtcccg tgcaagggaa 180  
gagcttaagt aggtgctgct ttctgtactt gggtttcaac agtgcagagg tagctgatag 240  
ccgaatggta cagctaagcc acagtaaaaa taatgtaagg aacattgctt ggccaggtat 300  
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cgccgttttg tgaagctgat ttattctcga actctgaata tactcttgag ggtaggtggg 420  
aatgttaggc agagagtga gtaacgaatg gggactggag aggccagcgc aggccagggg 480  
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<210> 11956  
<211> 1062  
<212> DNA  
<213> *Aspergillus nidulans*

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ggaaggcaaa gcgaacgcta atctcgtcgg tagaaggga tgagtcggag gtggagttag 180  
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cggcagggag gttcgcaagg ccgaaatatg agaggaaagt accgtaggag ccgaactcaa 300  
ggtaggagctt cacctcccc tgtgaggtaa cagtctcgtt aagacccatg agcatttcag 360  
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gacaacatcc tcgctgatgc cgtcaatgta ctttgaagag gttgagttga ttagcgggtcg 960  
 tggtaggcgg atccgggttag gtagacctgg ttatagccta ggtcagtgag ctgagtgttc 1020  
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<210> 11957  
 <211> 2729  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11957

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 gccggcgtag taattgtcca tgcagtgttg gaggaagtgg cgacatgtta gccgagtttg 180  
 cttcgcgaac agcgcgatgt ggagggggccc gaaggtggta tggagagttg cggaagccgt 240  
 cggcgctggt tccgtagcat agtgagcggg catattgtta aagatgagat gagatgcaaa 300  
 gggtcagaga tttgcgtcca cgagggggagc tcagcgatgt agctatgtag ctggaagcaa 360  
 agctcagaca cctttctcaa tcgcgccagga ttggctgcgg cctatatgcc taaattaaga 420  
 gctcgatgta tcaaaagata gatctaagta taattcgagc ctttgagtga ccggaattgg 480  
 aggtaggcga gagggactgg cgagggcgaa aagtgggtgat ttgaagcttc tcggccaagt 540  
 ttccgggtca cgtcaacgtc agccgaagcc gagcctttta tagatccagc cagcaaccac 600  
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 aagctatatt tctcttagat gctgaacaga tcttgagaa atcatgtatt gagcatctat 1200

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 aattttgggg cgtcagcgag aaatgctcgt ttgactgagg gtgggcgtgt gctggaggct 2100  
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<211> 445  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11958

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 ttatactcta gaaaactaat aatttctctt ttcaagtaat aggaagatta tctcataata 180  
 taatattgat tgaaaaatac aaagaaaatc atttagatat ttgacgtgct atattaacaa 240  
 gatacaatat ttttttttta ctataattaa tatatacagg tttttccttt tataatgtat 300  
 taaagaaaaa tgtattaaaa tattaaaacc gtctagttta gtattatact aaaagaaatt 360  
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 aacgtagaag agttttataa gattt 445

<210> 11959  
 <211> 482  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11959

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 ctcttgctgc ttaaatgctg ggcagttatc tatcagagta cgttccatga tataagatat 180  
 aagcacttgc aagatatgga tcagtcttat tcacctcaac caactcaaaa tagacttctc 240  
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 tgcagttttc atatgccagt cttactatct gtgccgggcg tgatgctgcc gcgatacagc 360  
 gaaatccaca tactaagaac aacattctat tagaatcggc tataggacta gtgatactcg 420  
 cgaacagtaa acccatcatt tttgtaagcc actcgaataa gtagaggatt gtcacaaata 480  
 ga 482

<210> 11960  
 <211> 408  
 <212> DNA  
 <213> Aspergillus nidulans

<223>        unsure at all n locations  
<400>        11960

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tactgcgtac taaagccggt aaggaggcca aagatcggca ctcgaaacgc tgtcaccgcg   180  
ctgtatgtta agcaagcgcg tgccaatgat gacagattac atctcctggc cagaatcact   240  
gatactgaac catatcaacc tacagtaagc acgctctaga agatacgccg aatcaaaagg   300  
gggcacccca acaaccggcg ggaagccgcc cgaggaaggt atattttccc tcccgttttc   360  
ttccccaaaa attttttttt tttttnaaaa ggggggggggt taaatttt                408

<210>        11961  
<211>        1954  
<212>        DNA  
<213>        *Aspergillus nidulans*

<400>        11961  
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ttccaggcat ccctacctag atttctgact gtcgctttaa gtctgtcgc tggcgctcag   180  
gataagattg ccagcctccg ctaccgcaac caagtcattt cggagtcaat cgcagagttg   240  
gaggagcggg tagcgaggaa tgcttcagaa ttggagagca tgagccacct tcatgatgat   300  
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gcggacattg agcgggaatt gaaagagata cgggagcttg aaaggagaaa gcggaatctt   420  
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atattctcag tccaattact gcgcactgat accacaacag acacgcgaga gatatacgcg   540  
ctgtcacgac attctcttta cccaacaaga acgctgggaa attcgtcggc tccggcaagc   600  
agcgttattg ctctatcga gcgaacgagg aaccacgcat caacaatcgc ggcacatata   660  
tcagatcgaa atggcagagg aaaagcccgt tctctggtta ttctgctggg cgtgggtatac   720  
tggtgatagt cgttgccact ttcgagtcca tgctgattgc cataagtgcc gcttgagcac   780  
tacactccga catagcatgc atagacaacg ccgcattgac cgatagtccc aatgcgggaa   840  
taattgctct actcaggtea gtctcgtgta aagagagcga gttgatccgt tgattccagc   900

ttattgacct gatgccatga agacaacttg taatggtagt ttgatataga gaagcagttt 960  
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<210> 11962  
 <211> 481  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11962

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 atgtatttgt agagcaagtc gatattatca ccgtctggat tcgctggatc atcatcgaaa 180  
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 ccttcgtccg gtgtagagtg agtcgctcac cacgagctct ggggcagcat aacagggact 360  
 tccgcaactc gtctgcatca agtctcctcg gcggaagccc ttcgcatcgg gtttatccag 420  
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<210> 11963  
 <211> 604  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11963

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<210> 11964  
 <211> 499  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 11964

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 ttattcgccc tcgttctctt aacaacggcc tttttccogt catactctcg gccgcgcgcg 180



cattatgatg ctctccgaga cgctgtcaac aactcgctg ctcttggtcg gggcaatcct 240  
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<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 11965

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<210> 11966  
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<212> DNA  
<213> *Aspergillus nidulans*  
<400> 11966

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cgtcaagaca tgggaagagc tgcagcacga tggctactat ctaccagaac cacagcgtag 180  
gatgcgctct gtcggtgcag gatcagctac agcaggataa gccaaacata gacagcacta 240  
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acctgttgcg acttcttttt cggtacacga accagccaat aaaggaaaac agccgcaa at 480  
gcattgaaga cgatgtagac gaacagaatc ccaacattgc gccagttatc atcagggttg 540

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<212> DNA  
<213> Aspergillus nidulans

<400> 11967

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<210> 11968  
<211> 533  
<212> DNA  
<213> Aspergillus nidulans

<400> 11968

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ctcattcata tacagtttagc gtgttgactc gtagagactc aacatgagat acgaaccggc 240  
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<210> 11969  
<211> 150  
<212> DNA  
<213> *Aspergillus nidulans*

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ataacacaca caaacaacaa tacatagaga 150

<210> 11970  
<211> 1579  
<212> DNA  
<213> *Aspergillus nidulans*

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<210> 11971  
 <211> 2663  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11971

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 11972

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 acaacataca gacagtacta aaatacaata catactagan aacatagaca tacacataga 180  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11973

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<212> DNA  
<213> Aspergillus nidulans  
<400> 11974

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 <211> 3159  
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 <213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

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<400> 11982

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agaaaaaaaa ggccgctgta gtagctgaca gtcgcaacgc tatcaagcag ttgcacgggt 180  
gcgggctggc gttcaaagtg gtcaatgacg cgaaacgtgg agtcctcgta tatgttcgtg 240  
tctactccgg gtccttggac cgcggtagtc tattatataa taccaacttg aatgtttcgg 300  
agcgcgcacc tcgcctcctc aaaatgtacg ccaacgatgc ggttgaagtt gattcgatca 360  
gtgaaggaca aattgggggt gtggctggcc tcaagcacgc ccgtactggc gatacacttg 420  
ttgcttgac taccaacaag gcgactccac ctgaacctct ggataccctc caactacgcc 480  
caattgacgt accgccacca gtgttcttcg caagcgtcga acctcacagc ctagctgagg 540  
agaaacggat gcacgagtcg ttagctttgc ttttacgtga agaccctagc ctt 593

<210> 11983  
<211> 497  
<212> DNA

<213> Aspergillus nidulans

<400> 11983

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tcaacagccg aggagaagct tatcatatatt ctatatgtta cagcctcgct cttccgtgtc 180  
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gacaagtcag aggtcaaac ccaactagca agttttgagt acaccgaac ccgatcgacc 300  
catcacgggt ttgtgtcca ccacgtcggg aaccgcggg ttgtgtcatg ttaaagagtc 360  
caagtgtcgt ggcatctgca tatccagaaa tgagctctca gaccaagta caaaggaaaa 420  
tctctatatt cactaccttg ctgctagtgc tagcaatttc ttctgaatct cttattcgga 480  
gaatggtagc ctgccag 497

<210> 11984

<211> 1613

<212> DNA

<213> Aspergillus nidulans

<400> 11984

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cgggggcagg gggattccag ctctccacct cttccgttac ggatctcacc tgtcttaacg 180  
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tgaccgctta ccttgaatac ttgttgttga aagacacaac agacgaaacc cgccattcc 300  
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gcgagcccg cggtgtccgt gttgcccctg ctctctgtga caacacctac agcgagggtg 480  
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cattattagg aagcgtgtac actgttcaaa tctccgtatg gctggaagcg ctcttgatag 600  
agcgatactt gggcaaagcg gaggaaccgg gactgtttca atctagacac tcgtagatac 660  
tcgtagagca gggaaaatga cctaccaact atgatcaata gaatcttgag gagtgacttc 720

aacagctggt aggcgcttca agtcagggtt cgaagtcact ggtcataaat tcaacattac 780  
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 aaggatacat gacccaaccg gaacgagagg tctagttgta aagattcgtg ttagctggcc 1320  
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 tctctcggag ccagaactca gccaatcaag cagggcatat tatggtgccg gatgccgact 1560  
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<210> 11985  
 <211> 345  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11985  
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 gtgcctgacg ccgtgatggt gtgtggcaga ggggtgtgcgt gtgggcgggtg ggatgtccgt 180  
 cggccgggag gagggatgcg agggctggcg gaggaagggg ctacgggcag tgaggaaggc 240  
 cggaggttcc aaggttctgg gagtgtgtgt gcttgctgtg ggaggcagga atgggcggac 300  
 ggttgcgga tggaagcga tggggagtag agaggtgtgg aggtg 345

<210> 11986  
 <211> 849  
 <212> DNA

<213> Aspergillus nidulans

<400> 11986

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ctgctcccgga cgtatgctcg tactcgcta cagtagacat ctttaagagac tttccgggat 180  
ctatttatcc caaacgtccc ccttgaatca ccagttccac tgtgcattag actgatgatc 240  
gtcaggggccg tacctgcaga ctccatagct cggccatggc tgcttctagg ggttttagtcc 300  
ccacttcctt agctcgaaac gtccggggttg gctgctattc ccagagctat acgccgacct 360  
ccctactaga ttgtctgcta tgggtgtatct gcactactct gttcgaatac actgccgaac 420  
agcagtggcg tgactgcgct tgaactgcgg atctcccgtc caaacagtct ccgctggacg 480  
cgcgatatgag accaccgtta taggttggag tggaggcgaa tactccatag tttatctggt 540  
ccgggtata ctccggatat acagcccttt acatgggtcat caatacctgc cagctcctga 600  
gatctataaa gcgttctcga tcacgcagtg tcagttccaa tgctagacac cgtaccataa 660  
tcatgccgtt cttgaaacgc tcaacccttc tctccctgct cgctgccggt gcaaatgggc 720  
tagccaactc actgaaacaa cctggggcag cgtcttcttg ccgaatcctt tccttgtaac 780  
ctttggcacc agcgtaatgg ggtggtcttt tttccagtcc cttttcccg cacttggttt 840  
cgcccaaaa 849

<210> 11987

<211> 967

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11987

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atctgttaaa acacaaacat ggtggtgctt atcattccat gcgagggcc aactctagac 180  
caactttctc atcttccgca atctcccaa cctccaaagc tccttaacgg ttcgcccctg 240  
cccctccatc aatcctgcat ctaacaagca attagtttct ttttttgacg ctagggtact 300  
ttcctgcaga ggaacgaggc caatatggcc aacgatcagc atcccgcagt gttccttttc 360

caaattcggc gactcaagca ataggattcc accgttacgc gcccgccaca atgcagcatc 420  
 atttagctcg aggtgatctg gcagagccaa tgtgacaaca acacaacaac caacgaatca 480  
 aatctacgtc ctgcaactatg gcagaatcga tggttcgaca cgtttgccag ggcaggccgg 540  
 catgcagcat gttgactggc ctacggcaaa gctcttgttt gacgacgtct gctccttgcc 600  
 ttatcagaaa aagaggtgcc tgagcagtga aatgagaagg ttggtgatgc cacgttgatg 660  
 ctgggcttcc aactgagct gttttttgcc gctgattgat agttcttttag gatgcttaaa 720  
 attacgtgac tatttggttac tgccccgagc ggttttactg tgccctgttt tgactcagtt 780  
 gcacttgnn gggaggaacc cgtgttcttt aagcgccgaa attgctccaa gacaacattt 840  
 ttagggttcg ttttttttcc cccccgtctt ttttaaaaga gacctttttt tttgttgcaa 900  
 gaaataaaag cttttttatt ttaatttttt tttcgtgggg gcctcccaaa gtttttttta 960  
 cttttttt 967

<210> 11988  
 <211> 618  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11988

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 agataaaaagg tgcaagacgg aattaccttg taaaaatcta atgcatttga gacaaacggc 180  
 tcgcatccc ttcccagtct ggctttgtta ttagcctcaa gcaaaactcc cattgacaga 240  
 gcatgttttg tagacggtaa tctcagtggg cgaggttttc taggcctgcc gcaaaatggc 300  
 ttatccgtca agaccggacg tctgtcgaac gccgtcggag cccaatgccg ctcatcttc 360  
 gaaaaacaca attcttgagc aagagaatgt taagagctta ccatcgggta atgagaagat 420  
 ggttcctaaa tttgtcttaa aaactcagaa catgccattc aggtttaaca gagcaacatt 480  
 tgtggacaag attggaaagg tcaggaatag cctttttgtt tgacttcaga aagccaaggc 540  
 cctcagccgg ttatttccaa cggtatttat acggaaggag ccttatttca aaaaaaaaaa 600  
 tcaagttacg ggatgagg 618

<210> 11989  
 <211> 155  
 <212> DNA  
 <213> *Aspergillus nidulans*  
  
 <223> unsure at all n locations  
 <400> 11989

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 tcttctatgc agttcattga caagcattgt atttaataat gcaagtgaag gctagatcgg 120  
 cntgagtttg gatcccgctg gcgagatgga tcata 155

<210> 11990  
 <211> 726  
 <212> DNA  
 <213> *Aspergillus nidulans*  
  
 <223> unsure at all n locations  
 <400> 11990

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 cctgactctt gatttccgca taatgacttt tattgcatga tagcatcgta gagctacatc 120  
 cagatatgac agcagaaaagc cgcaaattgc gtgaccgatt attgtgtgtc atcgcgactc 180  
 aggctcgagc tcgagtgggt ccggtggagc tcccaaacag tttttttttc cctcgccgct 240  
 tccactatcg tcgccgccat caccaactgg ccctgagtag gctgagatga cgccccaggc 300  
 acggcgggcc ttcgcggcct tctcgattca ttctagagat ttggatcttt ccttcttttt 360  
 gttttgccgc cgcccgattc ttcttttagg ctgtcatcgc gtgctgacgn gccggtttcc 420  
 cacgggcac cccagtctcg accatgctct cttcgtcttg attcacacct ctcaccttcg 480  
 ttctgcctga cgcctagctt ttcgctctcg atcgcggcgt cgccgagacc actatccttc 540  
 cttctatacg acctcagggc cctagcgtga gcgtgattcg attgcatcac acttgacctc 600  
 agcacatcat cactgtcgtc gcatatatca ccacacgttc acaccacac ttgcgcctgc 660  
 tngtgaatag ccctcactgt ctttcaccag cgcagaagct gagttgtcag caatgacatc 720  
 acttcg 726

<210> 11991  
 <211> 631  
 <212> DNA  
 <213> *Aspergillus nidulans*



<400> 11991

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atcttttgag tcttgctttc gagcagcttg gtgcttttga gttcttctgt gattgttcca 120

ataatgcttt tgacatcaca ccggagatct actaatgtga cgaaaggggg tcaggttatt 180

caaggctgca ttcttgetgc acgtgagagg ggccgaccct atgggacggt ccctgtcatg 240

cctatatgtc tcttctaaca tgtcacgagg ctcccaacac cagcgacctg aagatttata 300

ctctttatag aaagtctgac tgcccatacc actccaagg aaaaacttac atctggattc 360

cctatatgct tctaattgtt gcgcaatgtg tcttctctac aacgaggtag ctggttatgg 420

gcttcttcac agaatgatca catcttcttg tgttaccact atggactcta ctagtctttt 480

ctcttactat ctccgtatgg tctccaatat ttataactcc ttttctgtct tgatctctta 540

gcttgtcttt ttatatgtgc tacctttatt cttggtttct aacatgatat tatgtgtatc 600

ttttattccg tatatacttt ccctaatttt c 631

<210> 11992

<211> 467

<212> DNA

<213> *Aspergillus nidulans*

<400> 11992

tactatcaag gaagaggcgc aaccgaagtc gtctgatgag ccgttttttt tgtacaactc 60

ttcgcgcgag gagtcgtgtg gggctctgac agtgtccgag gacctgctca cgcaggaggc 120

ttatgtaaga tagtatatga cccatgttac tctgaccat gggactggta tgaaggtagt 180

agaagcctga attaggaact acctaccgta cgttgaggga cggccttttt ggcaggaatg 240

tgagctcggg gacaattggg aagagatctg tgaaatttac agcagattga agacggacat 300

tcgttgctcc tgtggagaga agactgttac aaatgcgctt ataactgact gaagtgttcg 360

aacgaccctt tgtggaacta gccgatccga atcgggtgcc gtggcaccgt tttgaaggca 420

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<210> 11993

<211> 465

<212> DNA

<213> *Aspergillus nidulans*

<400> 11993

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ttaccatctc ctcccccgcc cgcggcctcc accataacca cctccagcat tcccataacc 120

catctggcctt tgaccaccac cttggccacc gaatccccct tggccctggt gtccgccgac 180

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<210> 11994

<211> 448

<212> DNA

<213> *Aspergillus nidulans*

<400> 11994

taccacactg agggccggat gtctcactgc aagggtggt ttcttggtgg ctcaaaccgc 60

agacctgcta attgcgctag gcctacttgc aaggcgtgat ctacggccag tggaccactg 120

cctacaaggc tatcttccat gacgcgctat gcggacccta cgactggaat gctgaagggc 180

atctaaggcg tacgtgctgg tctacttttg gatacacttc ggcagaacgt atgcagatcc 240

gggatctgaa gggctagcgg acaaggccac gtttcaagaa acggcttgac tatggcatgc 300

tacgattttt tgctcttaccg ttcttggcgg gacaagctgg cgcggcgcca gattatccga 360

cataaagtgc ttggaacagg ttaggaaaca tcggctcaac ctatggatac gattgaccaa 420

tctctgggct aatcaagcgg tgctcgaca 448

<210> 11995

<211> 470

<212> DNA

<213> *Aspergillus nidulans*

<400> 11995

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agccaacagc ttttttggca atcttttcat aacgtcaacc gttgtacgct tgaggataaa 120

aacagatatc atagatacaa ggcttattag cggcatgttg cgtaccataa ggctacgatc 180  
 cttcttctca atctaggaat gatcgaatga tacctcaacc agcaggatcc tgatttatgt 240  
 tctatttggg gcgctccttg tgatgctaata cgtgatcctc aacaaaacct ggagggcacg 300  
 gcagatcaat cactgtgcgc aaagcgattt agaaaaata ataagtcctt cccctaaga 360  
 attctatata cttgttgggt attaatgaag cgattatata taatctaagg gtaattgaga 420  
 agcatttctt tctttgttca aaagttgtaa agttttgcgt taaccgttgt 470

<210> 11996  
 <211> 218  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11996  
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 acggcgagaa ggcgagaaag ggggaacgga agacggcaag accaggcgcc gccgcagagg 120  
 gcagggcgac caggcgcggg ccaagacaaa agcaaccgag aacgacgaga caacggggcca 180  
 ccggcagaac ggcgcgccggc aaccgggacg gagaacgg 218

<210> 11997  
 <211> 2827  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11997  
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 aaagcaaagt agggttttca caaaagagct ttccaaaaag aggaccatct ttacctgcaa 120  
 gacaatgcga aatttttgcg aaacgggcag gctagcaaaa tagaagcctt caacagagga 180  
 aaaaaacgcc ggacaagtaa aaaaaagatt cgaaggagca gcccaaataa ggcaatcgat 240  
 aagaaattca agataagggt ggacgggtca agaaacttga gaacgaaagg aaaggttaca 300  
 cggatgaaga tggagaggat ggtaatgagt tggatcgcat tgacaatgaa cgagcccggc 360  
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 cgcaggctca acaacaatac caagaggcac aggaacgctt gaaatggttg acctcgcagc 480  
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ctatccgccc accccggcgc catcgagct cgtcaacag caatgtctcg tcgccaatga 600  
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caccgtccac gtggtcgaga actcagtctc ggcgcccttc tacgactcaa tatggatcct 1680  
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agagaagaag gaggataaag agaagggcca gactactgag gaggcggaca cgtcttttga 1920  
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gtctagcttc cccggagact catacgaatc ccttgagcgc atgccatctg caacgtctgc 2040  
agaaaacgcg agctcgaaag aatcctttat ccgaaagatc acccggaag gcagctccag 2100  
caagtttggc tcttggaag accgctccgg tttgttctcc aggaagagcg atgcttcgca 2160

aggcgacgtc gatgaagagg gcgatagcga ggcacaactg gctaagagca tcgacagcac 2220  
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 gtatcttctt atagtataga cgagctgtcc cacacagtat ttattagact atacatttgc 2460  
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 aacaacaaac tcggcaatca acaagcgcggt gataatattc aaactgcata taaactgcat 2700  
 ataataagca taaaatctgc aaatagccac caagatggcg aattcaaggt acctcggccc 2760  
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 gccagac 2827

<210> 11998  
 <211> 143  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11998  
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 aaatcaaacc tgggtcaagct cgttgggata gctactcggg agtccttggg ctagaagtca 120  
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<210> 11999  
 <211> 3283  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11999  
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 cgagacaaca agacaactat tggcttcttt agtagaataa gtggcccca gccggatatg 180  
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<211> 116

<212> DNA

<213> *Aspergillus nidulans*

<400> 12001

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<210> 12002

<211> 487

<212> DNA

<213> *Aspergillus nidulans*

<400> 12002

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12005

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 <213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

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866

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<210> 12030  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12030

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 tcgaggggagc cacactcgcg acagaccttc tgttcgctct tctcatccag cacactgac 240  
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 aagtcgtatt ctacatactt tgtgaagttg cgtgcgggct tgatggcggt gagcgggcgt 480  
 tcagaggcat tgtcggcatc gcggagggtg ggggggggtct cggatgttat agaagagcag 540  
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<210> 12031  
 <211> 106  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12031

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12032

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 agctttaagt atgatcatta tggggccgta ggcattttac gtggttataa attgaggtcc 780  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12033

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acaacaacaa caaatagaga c 141

<210> 12034  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12034

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ctttcccggt gaattgtaag gctaagtgga cctgggttag atgcattgtc gtaaccatat 180  
gaacctctct attgcatgcc atgtgggtga tgagagagta agtagatcgc taatcaactg 240  
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cccaaataa gcataaatag ccaagtatag cataaccgcg tccccaaata gaattatatg 360  
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agccgcagtt tctcttctac aggccttctc gagcattcgt ctatatatgg caacagacgc 480  
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gcaccagaat ctttgg 556

<210> 12035  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 12035

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<210> 12036

<211> 2436  
<212> DNA  
<213> Aspergillus nidulans

<400> 12036

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gacttttttc accacaaata tccaacagac caaatcagca acaatggcaa cactccactg 840  
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<210> 12037  
 <211> 101  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12037

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<210> 12038  
 <211> 614  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12038

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 gctgctggct aggaccgcct gggccgtgcc aagctcgtg ttctctggga aaagggcata 240  
 atagagcgtc agaattgaag gcaatactac agtgggagcc tgaagatctg gaaacgatgt 300  
 gaaacttagc aggcaggaag cccacagaca gcgaagcca atattcctta tgaatcattt 360  
 acgagcctgg aatattctac ctcaccgnac cggaatgtgt ctggttctgc tgaattaga 420  
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 cgccgggggc tttggaggac taaaccggcc gctttggcct ggctacaact ttacataaat 540  
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<210> 12039  
 <211> 4290  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12039

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 cgcgatctca gcgcatgccg caacaagagt agacctcgac aaacacacag ccggcatcat 300  
 gttcaaaaaa gaggcgtat attcaatgct cggatattat ttcgactttc tttaacttcc 360  
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<210> 12040  
<211> 114  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 12040

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<210> 12041  
<211> 228  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 12041

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ngaanattg agttcgagga tatgcctgct ggattcacga nccattccng aagagantcg 180  
tagnagcgtt ggatacngca tagtaatagc tctcccaagt tatggctg 228

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<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 12042

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 ttccc 185

<210> 12043  
 <211> 552  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12043

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 cagtccattt cgcgacactg actccatgga atactatgcg gtctttcaag attgctccag 480  
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<210> 12044  
 <211> 113  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12044

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<210> 12045  
 <211> 219  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12045

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 caaccctgt tgcattcattt agtatggtga cattcgggt 219

<210> 12046  
 <211> 166  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12046

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 caagggccga gcgaggccac cagagccggg ggagacgaat aaacca 166

<210> 12047  
 <211> 186  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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 actccc 186

<210> 12048  
 <211> 167  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12048

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<210> 12659  
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cctaacgtca tactatgatt cccgcattgt tctgccgcat tatcagaatg ggacttcgca 180  
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<212> DNA  
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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans  
<223> unsure at all n locations  
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<210> 12664  
<211> 451  
<212> DNA  
<213> Aspergillus nidulans



<400> 12664

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caagcatgat tccgtacata tgatgccgtc caagtgactg catgtactat tctatgcgct 180

cttcaacgta gcgatactca tgttcaggcg caccatcaat cgtctataat tccatggagg 240

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<210> 12665

<211> 297

<212> DNA

<213> *Aspergillus nidulans*

<400> 12665

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<210> 12666

<211> 207

<212> DNA

<213> *Aspergillus nidulans*

<400> 12666

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 <211> 203  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12667

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12668

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12669

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<210> 12670  
 <211> 193  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12670

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12671

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<210> 12672  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12672

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<212> DNA  
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accgaccgcg cacggagcag gccagcaaaa aggcaaagac aaaccaccaa ggagccagaa 180  
cgcaagacgc cacagac 197

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 <213> *Aspergillus nidulans*  
  
 <223> unsure at all n locations  
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564

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<212> DNA  
<213> Aspergillus nidulans

<400> 12676

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<212> DNA  
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<400> 12677

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<213> Aspergillus nidulans

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accacac 187

<210> 12680  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12680

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<210> 12681  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12681

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 <213> *Aspergillus nidulans*

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<210> 12683  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12683



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gactagacca gtcaggcgag ggttggggga gcgaccggac gtgggaattc agaagtcggt 180  
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<213> Aspergillus nidulans

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<400> 12686

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<400> 12687

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<210> 12688

<211> 4344

<212> DNA

<213> *Aspergillus nidulans*

<400> 12688

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<213> Aspergillus nidulans

<400> 12689

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<213> Aspergillus nidulans

<223> unsure at all n locations  
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<213> Aspergillus nidulans

<400> 12691

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<213> Aspergillus nidulans

<400> 12696  
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 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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 <213> *Aspergillus nidulans*

<400> 12698

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<210> 12699  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12699

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<210> 12700

<211> 196

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 12700

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tcactaactc agaggacacc cgccctggcc actgtgttct tcagacaatc ttaaaggggc 180  
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<210> 12701

<211> 193

<212> DNA

<213> Aspergillus nidulans

<400> 12701

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cagagcaaga aagggacgag gaaaaggcac caccagaggc agaagacaga ggacaagagc 180  
gccacacccc ggg 193

<210> 12702

<211> 195

<212> DNA

<213> Aspergillus nidulans

<400> 12702

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<213> *Aspergillus nidulans*

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gccaggtagc cgacaccagg ggacacgcaa caagtgttat gatcagctaa aagccactct 180  
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<210> 12704  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12704

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 <212> DNA

<213> Aspergillus nidulans

<400> 12705

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<210> 12706

<211> 2167

<212> DNA

<213> Aspergillus nidulans

<400> 12706

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 <400> 12707

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cacctaacag tcacgaaacg gcatactacg aagcgccaac aaatcgtagg cgaacgctcc 180  
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 gccc 244

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12708

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 <400> 12709

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<210> 12710  
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 <213> Aspergillus nidulans

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<210> 12712  
 <211> 193  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12712

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 ccagcccaag accgccgggc tcgtaccggc ggagcagctc aggcgctcag gcatatgaac 180  
 acacgcgccc agc 193

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 <212> DNA  
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<400> 12713

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 gccattcagt ctatatacat cttaattccg tgatatagtc cctttaattg tggtcaggcc 180  
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<211> 198

<212> DNA

<213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

<400> 12721

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 aagactatca tgggtccgaga gcgatgcgaa caaaacatgg tctcgtgagg ggccccaaga 1500  
 gaagggattt taccagctcc ttcggcaaca gtgctgcgct tgaagccggt acccgacgaa 1560  
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1633

<210> 12724  
<211> 566  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 12724

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tacttcgtcg tatgcggtcg ggatcccgag caaattgtgc atgggggggag gctcaagacc 180  
tccgcggaca acagacgaga tgaaccgctc gttctgcagg gcaaggcaca gtttcaggtg 240  
caggttggaa ttcgggatcg acgtgaagcc gagacgagcc ttggtggcat tgttcaggtg 300  
tgaacagacg tgggctagat tgacgagaga catgctgaac tatggactgg cgcaatcaaa 360  
ccggatggcc gatgggacgg agttctgtaa caagcaggcg atcagttggg ggagacaaat 420  
tgcccatggt tggcattggt agtacctgcg gagatgaaac gcacagcaaa gggggttatc 480  
tcaataactca gcagcccagc tcaagttcta gacccgaat atctgttgaa gctgttgact 540  
tgccgaatga aattttcggg gaaacg 566

<210> 12725  
<211> 202  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 12725

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ggggagcgcg cacgagggcc aaccgaggga cccggcggag gcgacgggcc gcggcgaggc 120  
ggggagcagc aggagcacag gcgggaacgg gaggagggga gagcgagagg agcgaggagg 180  
agggaagtga gcagccgaaa gg 202

<210> 12726  
<211> 199  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 12726



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caagcagaac cggggggggg ttaaccgggg gacggagcca cccacacaac accacaaaagg 120  
cagcgacaga cacacaaaac aaggagcaga aacccccccg agaacaggct aaagaacccc 180  
cacaggacga caccaagcc 199

<210> 12727  
<211> 195  
<212> DNA  
<213> Aspergillus nidulans

<400> 12727

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caaccggggg ggtttttggc caaccagtg gcagacgccc caccacatct tctgcggcaa 120  
agctgcgaaa caaacagctc agacagcgac tagcacatgc tatacaaaca ccaccggagc 180  
agccaacacg cgagg 195

<210> 12728  
<211> 158  
<212> DNA  
<213> Aspergillus nidulans

<400> 12728

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caagagaggg agcgccaagg gccagggcga aagaggag 158

<210> 12729  
<211> 192  
<212> DNA  
<213> Aspergillus nidulans

<400> 12729

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aagaaaaata gagaaaagg gtaatagaaa agaaggtagg aaatgttgaa aggaagaata 180  
gggggagaga aa 192

<210> 12730  
 <211> 200  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12730

cacacccagg cgcgggcaaa acgaacaaaa accccggggcc gttattcacg gaaggcccag 60  
 gggaaccacg gggggggggtt aaggacagcg cagcggcagc caccacacca caaagacggc 120  
 cactaaccca caaaagaagg ggacgcagga cgccacggag cacaggcgaa aggaagcacc 180  
 agaggagaaa ccaaggcgag 200

<210> 12731  
 <211> 164  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12731

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 tcaattcatc gagcgtcata tccagtaacg antgtncgt catgatgcgc tcacggcgat 120  
 gacgctgggc attgcagtct gttagacgtt accgcaaggc tgtg 164

<210> 12732  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12732

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 cagtgaatat ttcttctctc cgaggacaac tacggcataa cagcgtcatt ttctatTTTT 180  
 gccacaaaga agacctcgaa aatctatata cagcatttca gcccttttcc gttctcaaca 240  
 cgtcttctcc cactcttttc ctgtgtttcc ctgcgtcagc ttgattggcc ctttcaaata 300  
 agatgaagat tgcactccta tcagctataa cagtgttctt ctccacaacc gtcacctctt 360  
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aaccgtaga tctcgaaggc agagatctgg aaaagcgctg tggaggaggc ggcagaggcg 480  
gtagtggagg tgggagcagt ggaggcgga gtggtggacg tgggtggtgt ggaggatcca 540  
gctctagctc gagcaatcat ccaggaaccc gtccaggctc aacaagtacc accagcaaca 600  
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acgggactac ggcggacgag gatacggtag attcggccgc tgccttgacg gtaatacagg 1080  
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tcaaaccaac tgtgggacaa gtgacaacta gcgtgtcaag agactaaaag gacacctcgt 1560  
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cggaaaacct tattctgcaa tcaaccgctc taaaggccac ttaacacagc cggaatgtgc 2400  
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<210> 12733  
<211> 195  
<212> DNA  
<213> *Aspergillus nidulans*

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tcacgacata actattgtat actgagggga gctttaaaca ccggtgtagc aaactccgta 180  
tggatcactc cctgg 195

<210> 12734  
<211> 787  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12734  
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gttttaaac aggcgcttag gggttgagcc ttgggaaggt ggcacagttg ctcgcccaa 180  
tcaagactgg attatagatg aatcggtgaa tgcgtgggtt aatttaccta gctatcctta 240  
caaagccaca attggaagta atattattag ctattaacgt gctctagtgt ttcattctgta 300  
ggatggttgg acaaacggcc cgggacggga ccagcataca tggctataa ttccggtcga 360  
ctcctttaag cttgcgggat aaataaagtg tcttgagtct cggtgctgaa caccatgatc 420  
aatttattct gttccttttt tcaatatttg gaaaatgttt gggtttgctg cgatgacgca 480

aaagcacagc taggagcatg gcatacaagc gcaggcggat agagatcctg tcaagctgcg 540  
aagcgccagc ctaatcggag ctgagcctca gactacaggc tgatgggtaa tgacccgcgc 600  
cggtaggctt gaccaaact tcgagccgta tgtagggttc tattagttga caggagttgg 660  
gaaaccccgga ctgaccgcaa cgtggcaatc ataacaactg aacccttgct gaggaaaatg 720  
tctaccatta tcagtccttg tgatgaccgc tgtattcatc taagagacaa tagaatatct 780  
cagggat 787

<210> 12735  
<211> 196  
<212> DNA  
<213> Aspergillus nidulans

<400> 12735

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gggcgatacc gggggagttt ttaaggcagc gtagtatcag ttacgcagca actaaaacgg 120  
atcctgacct tcgagataag ggtgattggg aatgcgtaag acaggcgcta tgaagaccag 180  
atgactatat aagtcg 196

<210> 12736  
<211> 187  
<212> DNA  
<213> Aspergillus nidulans

<400> 12736

cacacttaaa cgccgacaaa cttagccgga tcgctgggac ttttttctag aactgcccag 60  
ggcgatcccg ggggggagtt tcagggggcg tagtaccaat caccagccc ttattacggc 120  
ccctgacctt caaaatatgg ggcataggac actacgccgc catgcgctac aagctccagt 180  
tgactaa 187

<210> 12737  
<211> 449  
<212> DNA  
<213> Aspergillus nidulans

<400> 12737

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aacatagacc gggggccata ttgacggcaa ttgatgttga gcagcaacca agcaggcaac 120  
 accgagagca cccggaagtc acagcgaaac cagaccgctg ggtgaaactg cactgggtca 180  
 gactgcagaa gcttaaagac atatgtaacc cttgccaaagg aagaggccat cacgactacc 240  
 agatactgca caagatcaat agctgtcaac atggcactca tctgtagcgg tgtgcactac 300  
 gtccacaaca agtgtctctg cccgtacacg tagcactgaa cagcaactgt ctagttagac 360  
 tgccctcag cccgagcgcg tctcaactag tgccgtatcg ctacgcatgt gcatccagca 420  
 aagtagagtc acaaggtgcc acgcgaata 449

<210> 12738  
 <211> 311  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12738  
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 cgggtatacct cagaccattc cggatccagc cggcacacgg agactagatg gcgacacaga 180  
 gtatgagtgg atacgcccgg tatgagatgt accactgaag ataccatagt aggccttgct 240  
 ggctggggta cctgggagtt tctcatttga ctagttatca gaactcaatg tcattattcc 300  
 ttggcatgct c 311

<210> 12739  
 <211> 392  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 12739

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 ccgagagcgg gaacagagcc ccgaaccaga ccggggggcgc cgcacggggc gaccacggac 120  
 cggaacgaaa ggacccccca aaccgcaaca ccaacacgaa gaggggcggg acaacaaggc 180  
 agcgccagga agcacgcgcg acgggnagcg aggacaccag cgccgagggc aaccgcgaaa 240  
 aaaaagacca gccgcacaag caccacagc gacgacaccc cgggcgccac caaagaccac 300

ccggcccgca cgaggcccat gctgaaccgg gagggagcaa cgcacggcgc acgcaagaag 360  
aaggcactcg ccgcgccgaa agcaccgagc cc 392

<210> 12740  
<211> 112  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 12740

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catcaatccg cttgttttta cctgcacac gctatcctag ttgggatgtc gt 112

<210> 12741  
<211> 422  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 12741

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agggcgattc atatatagtt gttcacagt acagacagtt agagtatcat gtaggtgatg 120  
atcttgacct tgtcgttgta gtcatttata agccgaacta gtctgattta gggtagcgta 180  
tatagctctc tcatgggggtt aacacaaata tagtaataat gttgtcagag atagatgctg 240  
actgacacct ctgcccgagg attaggaggt gggattatgc ggttgccctgg gactcagatc 300  
atagggcgcg caatgtctgg aactcctcat gaagaactat gttctgacct tatccgaggc 360  
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tg 422

<210> 12742  
<211> 1700  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 12742

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tggaccattc atccctgtac aagacgagag tgcacgaaac tggctgtata aacagatcgc 180  
 cattggtaag attctgattt gttctccctt tattcttata aattcccgcct aatggaaaac 240  
 tagccgtcaa tgcattcaat gagaagtata ccaacagggc ctaaaaaagc catgccttcg 300  
 tgatgatgtt atgctaggaa atccactagg tgaaaaaaac atggagggct tgcattgaccg 360  
 acgatgcctt tgtgtatctg ggttgagcct cacaccagta cataattctc cattttctga 420  
 ggttgatga acttaaacct gcatgtatat agatatgact tgtagtcac ctctaattgt 480  
 ttaatgattt attcgccatc ctatatattg gacatactta cctcataca cgccagtgc 540  
 gagaattatt gcctggatgg aaccttccaa gcaaatttga tcttttatgt ctggccaatc 600  
 gattgcacga gatgagaatt tataatgta ttagattttg ttatattaat tgtattattt 660  
 ggtacgtctc gctcgtcatt gggatatca ccataactgt tcatctcgca tctctgagaa 720  
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 ggtatcatga ttacaataac aattggatc taaacaggcg tggctgatgc tggtttcatt 960  
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 ttcttattct gcaccacac gacatcgccc tggatgaaag ccacaacacc gcctttgccc 1140  
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 gggagcatta tgaggccttc ctctgcgcac caattttcga ggacatcttt.gaatgcgact 1260  
 tcttcgatga ctttcggttt gtgtggggca gttcgtccgg aatttattga tgatggttga 1320  
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 ggaggtggta attcttctgc agcgcggtca cctagttggg ctgctaggtc cattgtgcgg 1440  
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 gatcgccacc aggtgaacca ctgcgagact tcttcgtagt tagggtcatt ggtgagccaa 1560  
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 tgtggattga cgtcgaaatc 1700



<210> 12743  
 <211> 245  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12743

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 ggaangacac cgggcgaacc aaaaaacggc aaagnggcgg gggggcgcaa gcaaggacag 120  
 cgacccgacg caccaccaa aagccccggg ccgaaagcac agccaacaaa gaagcacaag 180  
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 caaag 245

<210> 12744  
 <211> 764  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12744

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 aattcaagca gcctgctgct cgcaagcac aaactgttct cgtacgagaa agacatgaga 180  
 ctcaaagttg catctcagtt aagggaaggc ttttctggtg acttgcttta tcctgttttg 240  
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 gttggaagat gacctgagta ggtccaaaat cacacgatag ttggttctta acagcataaa 420  
 atgcatgagc caataatatt tgaggccatt taacctaaaa tcagttactt tattctgccc 480  
 tgaaatccga ataaccaag ctggaaacct ttttttcggc ccttatgaca cggtacgact 540  
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 taaccggtat ttatatggct ttaaacagaa gttttgtggc gcccgcccat aagatattac 660  
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<210> 12745  
 <211> 111  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12745

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<210> 12746  
 <211> 289  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12746

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 tgggtgtgagc acgccttttc gcgctgccta ctgctgcgaa tcccatgtat aacgaatggg 120  
 aggaccgtag gnattgcgtc cagtccgtcg ctgtccgcaa cggatgccaa gtctgtctgc 180  
 cgggcacacg gcatgtattt gacctgggnt ctacggggca gcaaaccgaa accgttggcc 240  
 cttagtacat atgggcttga tgtcgcta at cgctggctag gctagattc 289

<210> 12747  
 <211> 3662  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12747

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<210> 12748  
 <211> 315  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12748

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 agtgttacgn gactngggta accacagatc agtgctgcac aagtctgtac cgggcccgga 180  
 aaagccaatt gggcgggtaa gcagtgaatg tccagaaaac aaaccagaga gagtagtttt 240  
 cagacangct acgtagatac gtctaaaccg ncaagcctga tacctgtttc tagttgatcc 300  
 tatcacccca gactg 315

<210> 12749  
 <211> 1098  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12749

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 cgtctccaga ccggtatgcy tgggtgtttc ggaaagcccc agggtaaggc cgcccggtgc 180  
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 aactgggtggg tttaccccct gtccgtcgtg aggaactact tttcattttc ttcaggaggg 360  
 ctaggttaag tcagttctgg ctcatctcct tctatttcat tctttgttct ctgttaaatt 420  
 ttgtctatat aattttacc tttctgttt gtcttattta ttaaatttta atatttttct 480  
 cttctctca tttttgtct tacattttat tctattcttt cttttatttt tctttctatt 540  
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ctcattatat ctcttttttt tcttcaactta ctatcttctg ttctatcccc ccccccttc 720  
 tcccattttt aactaattat atttaatttt tataattttt ttatttatta tttttatatt 780  
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 tgcnccttc tttcccatc tattctatct ttacacttaa tattatataa gttattattt 1020  
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 cctctctct cctcccc 1098

<210> 12750  
 <211> 148  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aagctccccg gagacctctt aggacttg 148

<210> 12751  
 <211> 1113  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 atatagcttg atctgcatag gaactaagag gcatatatgg atgatcttgt gtcatttgat 180  
 aggtatccta tgaaaacgga catactgggtt attatatggt agtcaacatt tgttatcaat 240  
 cttaatttgt caatacataa tttatttttg tattttggat attatttttg tataacttat 300  
 ttatatctta ctctcaatta tactgtatta aaatcttact acaactgtgt taattctcta 360  
 atactttatt ctcttatttt ataattattt ctattacttc atattatata attttattac 420  
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 ttataatcat tataaatcat tttttcttta tttaaatttt ttacattaat aataagtaac 600  
 cacattcttt tctatacatt ttttcatggt tatgctcaat attaattata ttatctaatt 660  
 cctattatat atataaattt acatcctcat tactcttaca tattcattca tacatactat 720  
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 atatccactt cctgtttgtc atccttacat tcaattcata attctgtttt ctttttataa 1020  
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<210> 12752  
 <211> 326  
 <212> DNA  
 <213> Aspergillus nidulans

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 aacgaatgca tcctttttgt tcgccaaatg gaccaagcct ggccggtgat ttcttcccc 180  
 ggaagattcc aacggattat tacaaggggtg gtcgcataat gcccgggtg cttaatcatt 240  
 gtggataaac cttttttata aacacatggg atacacacca ggcttggttg ggggggtactc 300  
 gatcaagcca tgggccggcc ttttga 326

<210> 12753  
 <211> 610  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12753  
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aataaagcct gatgtcagga ctaagagtgg cccgagtttg gogaatagtt gatgctcgct 180  
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 gtccagagaa ttggtaataa cgcaattcca ctgtgctgca tactttatgg ggctctgtgc 300  
 cgaccacagg tcctgactac attacgcgaa ggaagcggac tactatagga tgctggttgc 360  
 ggaacgaaca ggagtcaatc acacatcgga tactgtcgat ggtcacatct cattgcttct 420  
 aagccagtct taatacgtga gctgacagcc ttcagggctt gacgcattag acgttcttaa 480  
 cttgagcaag atattgggct actgagtccg atagtctaca cagaagcttg tagatatagg 540  
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<210> 12754  
 <211> 151  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12754  
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 gattcgcgtc gtaacgctgg tacagctcta g 151

<210> 12755  
 <211> 197  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12755  
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 acccctctca acttgaacga atcgtcaaga agcccgtcga gatcgtaggt atccgcatca 180  
 gagacgatgt gtatatc 197

<210> 12756  
 <211> 111  
 <212> DNA  
 <213> Aspergillus nidulans



<400> 12756

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ttgggatttc caacatgctc tgactgaaca cgttagtcac ggagcctttc c 111

<210> 12757

<211> 894

<212> DNA

<213> Aspergillus nidulans

<400> 12757

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tgatagaccg tattggactg cctgactcc tgagactggc gaaacgccc acaggcagcc 180  
tctaattgccc cctgagggcg tctagctgct catatagagg acctgaaaac tccgtagccg 240  
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gggggtataag ccttgaaatc atataagagg cgggtggtatg attctcttca ggcattaaac 420  
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attataggcc acggataatg ggggtgcttta ggacaaataa cagggccctg aactggtaaa 540  
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ctcctggccc gggttcttgg ggatattaat ttgcaagcta ttacactggc tgggggaacg 660  
acccttttgg ctattgatag tttctttttg gctttggcgt ccatggagtg acacataaac 720  
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ggtaattttg gaaacggatt ctgttataga aaacgcctaa gattgtatta aaactttggg 840  
tcagtttacc tttttccttt tgggggcccggg taaaaaaatt ctctcttggt tttc 894

<210> 12758

<211> 988

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 12758

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tcccttttttc tgcttgcggtt ttgaacgttt atctgcgggc gcacttggag agctattata 120  
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 gtggtctgcg catgggctgc gcttgatggg gagcagccaa tcgattatgg agtggccgag 300  
 cacctgttgg agatttttga gcgggctacc aagtgcgaag ggattttttc caggaagggt 360  
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 gggttcatgt ggtaagggat attgtttttg cgaaaatgtc tgaccacact ttgtctggtt 540  
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 aaaaaccgtg ggacggtggt ggttcttttt tttttttaa accactctaa ctgctccata 900  
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<210> 12759  
 <211> 102  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12759

ttgtaagtcc gtgagccctg agataggtag ctgcggtgta gcttgagtgt tgaatcgggc 60  
 ctgcgatcag gggtcgagac cagcgctcac tgtgtccaac gc 102

<210> 12760  
 <211> 420  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12760

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gcaagttttt ccctgatggc ttaggccccca tggacgtgga ccgatttcac ggccatatgg 120  
 tgccatgagc aactcccatg aaggaccatt gaagggggca ctccagcttg tgccagccag 180  
 ctaactgaag gggctacctc tcgtacttcc tagacaagtg ctgcgacgga ctgccggtac 240  
 caatggatgt aactgggtggc cgcacaatct cttgggtgtt cacctttgcc ctcccatgga 300  
 ctcacttggga tttctggaga tggaattagc cctggctatc tccatcgact cattccacct 360  
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<210> 12761  
 <211> 1575  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12761

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 agacacaccg gtgacaaaca ttaaccgttc ggcagccatc aggtcgacac ggcgctggac 180  
 aatcttcttg tcaagcttca tgttagggat accgtacata agcaaaccac caatacgatc 240  
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 accagccgga ccagatccga tgatagcaac ggttttgccg gtgcggacgg gaggaggacg 360  
 aggaaccatc cagcccatct caaaccacg gtcaatgatg gcacactcaa ttgacttgat 420  
 accaacaggg tcttcgttaa tacccaagac acaggcgccc tcacaaggag cagggcagac 480  
 acggccagta aactcagggg aattgttggt catgagcaga cgattgagag catcctgcc 540  
 ctggttcttg aagacaagct cgttccactt gggaatgatg tttgagattg ggcaaccggt 600  
 atcggactgg cagaaggga caccgcagtc catgcaacga gcggactgat acttgagctc 660  
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 gtacttttcg ctgcggcggt tgtacttcat gaaaccgcgg gtcttgtcaa ggataagagc 780  
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 acgcttgtag tctgttggtg agacctgat aaagtgagga agagcacggg tgaagtccaa 1020

gaggatacgg gcggccaact cggagccggt atagtgggtg tgatcctcaa tcaaaccgcg 1080  
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gataccagga gcgaggtaag cacgaacgat tgaccgccga tccttgatgt tggagtggat 1560  
ggtgtcttgt ggaag 1575

<210> 12762  
<211> 242  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 12762

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gggttgagc aagcctggcc atttagatct gcaccaaga actgagatca atgcgctgta 180  
gatggcgtct tggtcggaat cgcagattac gatagnacc ngtgngtgggt ttgtgcttgt 240  
cc 242

<210> 12763  
<211> 667  
<212> DNA  
<213> Aspergillus nidulans  
<400> 12763

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cagaccataa ttatcaacag taggattgcc agtgatgatg ccaataactg aggacgtaac 180

cttctttccaa gtgtagagct cttcgctctc tgatacagga cgaagcttca aaaaccacgt 240  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12767

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<213> Aspergillus nidulans

<400> 12769

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<210> 12770  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12770

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<210> 12771

<211> 1176

<212> DNA

<213> *Aspergillus nidulans*

<400> 12771

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 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12774

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 gcggtctatg cagctgggtg atatgcaccc gcgcgcatat ctctagaatg caatgctgtc 180  
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<210> 12775  
 <211> 143  
 <212> DNA



<213> Aspergillus nidulans

<400> 12775

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<210> 12776

<211> 1628

<212> DNA

<213> Aspergillus nidulans

<400> 12776

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<213> Aspergillus nidulans  
<223> unsure at all n locations  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 12778

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 <211> 1636  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12779

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400>

12780

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<210> 12781  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12781

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<210> 12782  
 <211> 114  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12782

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<210> 12783  
 <211> 593  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 12783

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<210> 12784  
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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 12784

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<210> 12785  
<211> 136  
<212> DNA  
<213> Aspergillus nidulans  
<400> 12785

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<210> 12786  
 <211> 670  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12786

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 <213> *Aspergillus nidulans*  
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aactattcct cacgctgggg gtagtttata accccagtga caaattataa aagaaactta 780  
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<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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aaatcaggat gacatagacc gatataataa ataagagaaa ggaagggtgt aggcaggaat 180  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12791

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12792

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12793

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cactaatttg acttactata acacagggtg caggcccaaa taagatctgg tgcaccaagc 180  
tagaggcttt ggactctccc acagtttaat acagaattcc atactaccac cttaatccaa 240  
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<210> 12794

<211> 1924

<212> DNA

<213> *Aspergillus nidulans*

<400> 12794

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<400> 12795

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 aaaatcggac aaactgagga tcaaactcgtt aacctgcctc atactcgtct gatcgtactt 300  
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ccctgccggg tttcgtggag tgaggtttgg ctgtcatgag attcgccagc agccagtatt 420  
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 gttacgggga cggggagaca tccccgtaca agggcggtgt gaatggtgcc aacggttttc 540  
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 <213> *Aspergillus nidulans*

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 cgcgggcacgt ttccgatcag cgggtgggtt ggg 213

<210> 12797  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12797

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<213> Aspergillus nidulans

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taagtccgtc cgagacgt 198

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<212> DNA  
<213> Aspergillus nidulans

<400> 12799

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tcgccataaa gacgaatttg gatgctcgac ctgccaaacc agatgcgtgg aaaacccagg 180  
cggagaactc gctgatgttc cttccgtcat ccgtc 215

<210> 12800  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12800

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taaatcttcg tagatgagtt ttgggtcggg ttccggcccat ttctcttctt gcagacaagc 180  
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 ggctgcttga cggagtttca tgaggatggt cgcggacttg ttgcccgtct ttttgccggc 300  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 12802  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 12803  
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 <212> DNA  
 <213> *Aspergillus nidulans*



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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12804

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cgttcatttt acctccatcc gacctggaca gtaactctc ccatggctac cttcagcccg 480  
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<210> 12805  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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<210> 12806  
 <211> 545  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12806

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 gcatc 545

<210> 12807  
 <211> 600  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12807

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 gttgatacag gccatcccga ctgagattga tgacaacggt gcgggttcga cccggacact 540  
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 <213> *Aspergillus nidulans*  
 <400> 12808

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ccgcgggtac ccttgtgatt atagtccacc tttctgaaac ccgaacgctt agccggacac 180  
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<210> 12809  
<211> 463  
<212> DNA  
<213> Aspergillus nidulans

<400> 12809

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<210> 12810  
<211> 602  
<212> DNA  
<213> Aspergillus nidulans

<400> 12810

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aacctgctgt acaggccacg cctagaatat ggcgccagc tcgggtcttcc ggggctggtc 300  
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acaagcggttc tattcatcag acagctgctt ttgcggaacc gcatttggat caggattgcg 420  
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<210> 12811  
 <211> 2136  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12811

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<211> 1477  
<212> DNA  
<213> Aspergillus nidulans  
<400> 12812

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 <211> 910  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12813

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<210> 12814  
 <211> 493  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 12815  
 <211> 424  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12815

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<210> 12816  
 <211> 215  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12816

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 ccacgccaca accaacgcca ccgagctcag gcata 215

<210> 12817  
 <211> 350  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12817

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 cgcttagcca agaggtatgg taacagctaa cataaccgag cacgtgagta tcttgaaaga 180  
 accgggtaag ggtatcccga cgtggctagg cggtcgccag tatcaatggc tgccggccgt 240

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<210> 12818  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12818

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<210> 12819  
 <211> 485

<212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12819

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<210> 12820  
 <211> 219  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12820

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<210> 12821  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12821

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<210> 12822  
<211> 217  
<212> DNA  
<213> Aspergillus nidulans

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<400> 12826

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<400> 12827



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<213> *Aspergillus nidulans*

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<210> 12836

<211> 1511

<212> DNA

<213> Aspergillus nidulans

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<400> 12838

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 <213> *Aspergillus nidulans*  
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<210> 12841  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 12841

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<210> 12842



<211> 1570  
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753

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<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
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<210> 12849

<211> 487  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12849

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gaccatggcg aaaggtccat gagcattata tacttctagc acccgtaaag tgagaatgta   180
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<400> 12850

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 <213> Aspergillus nidulans

<400> 12851

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<400> 12852

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<400> 12853

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<213> Aspergillus nidulans  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 12855

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12856

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 <213> *Aspergillus nidulans*

<400> 12857

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gcgcgatatg ttgcagacgt ttttcgatac gttcaggcag ttgtgctgca atttgcggcg 180  
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<210> 12858  
<211> 226  
<212> DNA  
<213> Aspergillus nidulans

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<400> 12859

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<400> 12860

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227

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<211> 1419

<212> DNA

<213> Aspergillus nidulans

<400> 12862

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12865

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 gtgcaaaatt tgcaccgtat gtacaagttc ttgttgcccc caacgcagta attttcttgc 180  
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<213> Aspergillus nidulans

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cgacggcttc acctgctttg cgtactccac gactttactg tcgtagaaat aaagcccggt 180  
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<210> 12869

<211> 135

<212> DNA

<213> Aspergillus nidulans

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<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

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cacgagcaca atatattgac actcggatat agacagt 157

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 12876

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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <223> unsure at all n locations  
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<210> 12880  
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 <213> Aspergillus nidulans  
 <400> 12880

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<210> 12881  
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 <213> Aspergillus nidulans  
 <400> 12881

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agggcttgac acaatcgtgt ggaggtggga ctggttcgtc atcagatggg cgggagtcct 360  
gacgagaata ccaagaccct ggtgatgatg ttgacctaac cgttgcgact acgcatcggg 420  
tactactcct ctggcgctca cgggggtctg agatcagcta tgaagtctga ttggcaacct 480  
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<210> 12882  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 12882

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<211> 196  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

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 cctatactgg acctgacttt ggccgatcag ccatcggtgg acgtgagttg gatctgggag 180  
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<210> 12885  
 <211> 293  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12885

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 ctgcgtgntc aaattcacct acactactac cgaagtnatt acgtctgact agaggatgat 240  
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<210> 12886  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12886

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12887

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 ctggagccag ggcgattgtc ccttacacat ctgggcttgc caattcatgc gctatggaca 240  
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<210> 12888  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
<400> 12888

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<210> 12889  
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<212> DNA  
<213> *Aspergillus nidulans*  
<400> 12889

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<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 12890

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<210> 12891  
<211> 543  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 12891

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<210> 12892  
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 <212> DNA  
 <213> Aspergillus nidulans

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 <211> 3259  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<211> 406

<212> DNA  
<213> Aspergillus nidulans

<400> 12894

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<210> 12895  
<211> 539  
<212> DNA  
<213> Aspergillus nidulans

<400> 12895

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tgtaggttt aggaattgc acgatctggc aaacatcgct ggcaggaaaa catcgcgatga 180  
ctatcgaaaa gcacaacgat gattatcgta ttctgctgga acaaggtagc cggggctttg 240  
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acgatattct gccaggcttg ccaattcagg tggcaacaac aggacactca aaagtgatga 360  
tcccactgaa accggaagtg gatatcgacg ccttttcgcc tgacctaat gcgctgaccg 420  
ctatcagcaa aaagattggc tgcaatggtt tcttccggtt ccagatccgc ccaggcaaaa 480  
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<210> 12896  
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<212> DNA  
<213> Aspergillus nidulans

<400> 12896

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 ggggagagcc gccgatacgc ctcgacttgg tcgacgaacg ctgtgtcccc gcctacctcg 240  
 ggggtatcga ggatatagag gaaggttgtg cggggcggct gcgcttcgta cgtgacatcc 300  
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 ctgtgtcggt gcaccagatg gatctcgggg taccctcag gctgaccgga agtcgggtgg 420  
 atatgatggc ggccaaagta tgagccgaac ttgagagcat ccgcatagg caggtcggcg 480  
 aaatcctggt ctcgaaaggc cacgactttg cgttgcgcca caagcagcgc aagctggctc 540  
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 <212> DNA  
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<400> 12897

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 agtgtacctg ggtgggtggca atggttgaag tatgcgctag tttttttccg catccctgta 180  
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<210> 12898  
 <211> 333  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12898

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 ttcagagaat tcagatggcg aagcgcatct acacgagcac ggttatTTTT tttcagccgc 180  
 gaactcagag ccaacaatgg gcttcgcact cgtgcctgcg tggaagggat toccaatctc 240  
 ccgtccattc ctattgtgtc ctgggtgcga cacgattcgg ccaaaagttt tactatcacc 300  
 gcggctccga gagcatcgaa tactgcatga ttg 333

<210> 12899  
 <211> 1970  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12899

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 gagagtgtag ggaggattga ggataataat aatgtgaagg taaggcgcgga agcaaagaga 180  
 gagtaagaga ctatatgtcg gaagagattt aaagcagagc ggtgttagtt ttaaagtaag 240

agagggggga cgtgaaaggt tacagaattht ggaagaagag ggcccaagac cgagcgatag 300  
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 agggaatttc gaaacggtgg gataaagagg ggtaggaaaa ttagaaaatg gggggcgcaa 420  
 cagatctact agaagaggac atgggctgth ctatgthtatg atatcaaaga gccgccggtg 480  
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 ggaaagggtht tggtaaggt acgagccaga caaaggaaga gtttttacag agaggggcaa 660  
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 tattaggaag gctttggcat tcaggthgct ttaccaagtg atcaatgaga ttaaacaacg 780  
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<210> 12900  
<211> 128  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 12900

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ggcaaact 128

<210> 12901  
<211> 214  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 12901

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gtaatgtgta gcgcgcgtag tgtgcatagg acacgtaaag catgaatatc gatatgaacc 180  
ggtcttttct cgtttatngt ggaccgtgga tgta 214

<210> 12902  
<211> 263  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 12902

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agctatccag nctgnaaaa gaccccaagg cgcgatctat cgtactcatg t cctcc 180  
caatgcgacg acaaccaccc cgaatttggg agntctgtgg aggtcaaac tctacgtgnt 240  
tatgagaatt attcactgtg ctc 263

<210> 12903  
 <211> 194  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 12903

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 catcatcngc ctgactggac acgcattcgan tcgagtagcg ccgagtacct cctttactag 180  
 tcacgagagc ctat 194

<210> 12904  
 <211> 627  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <400> 12904

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 cattaccaga ctgcatagct cagaactagg ggactcttac tgccgcgcgt atcatgaagt 420  
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 aatgctcgat cataggcaga tgtttttttc ttttaaaggc cattgagggg taggatgggc 540  
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<210> 12905  
 <211> 341  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12905

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<210> 12906

<211> 588

<212> DNA

<213> Aspergillus nidulans

<400> 12906

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<210> 12907

<211> 2321

<212> DNA

<213> Aspergillus nidulans

<400> 12907

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<211> 4432  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 12908

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12914

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<210> 12915  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12915

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ttcaaagctc ttggagggca catagcacgg gctccggata ggtcggcgga ccccggcgcg 420
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506

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<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
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cccattctcc tcgtccgagc tcaggttctt gtctggcact tcgagcatag gctgatatag 180  
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agccgtttat ggcgcgcatt ggtcgccgga tgggctagct ggtatgtagt tttcggccgt 420  
gaagacgcag gggncctgtg gtgtttatgc tggttgagtt ggcgaactgg tggaggtaca 480  
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gaccgacgtt gct 553

<210> 12917  
<211> 1682  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 12917

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tattaggggc gcgtagtata gacattccaa taagcgttgc atagctgtat ggcgggtttg 180  
tgccatcatc ttcgatcggc ggcaattcgt ggggctctgg cagttgcacg gtggtgacct 240  
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gcacgtccac gtctaggact cctgattgct gtatgcttga cattcctaac actggagaat 420  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12918

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acagggggaa cccaaccgtg ccctctcgag ctggttggtt ctgaaaccaa aagttgtaag 180  
acgatctact gacacgacac cactcaagtc agcaccactt caaacaactg atccaataac 240  
ccggggcggt gtggacacat aacgcagggg aggcgcgcgt atcaaacactg atcgggcact 300  
acacaggttt ctgatgttgg gccacgatt gag 333

<210> 12919  
<211> 585  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 12919

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acgggggtga tttggctgat agcatatgga gaggctaaga cctcttccat ccattcatga 180  
tgttgttggg acctcatctt gctcacttct cgtggagtaa gcagggtccat gatatcgccc 240  
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ggagcacggt gtccgcgcgg cgcctttggt tgaactgggc cagtgggagg ctgca ct 360  
gggccgggct ggggtagaa tggttgccgt ccaaccatgg cattcgata cgccccctgt 420  
ggttgttggg agccctgttg aactgccatt tggggtggca ggccgattgt gggccagttg 480  
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cgttgggcca gcatgccttg aacttgngt aaagaccgga tccga 585

<210> 12920  
<211> 221  
<212> DNA  
<213> Aspergillus nidulans  
<400> 12920

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tcagccgttg cacattcggg gcatgagccc ggggatgata cagctagcct acgtgccact 180  
gtggagtaca tgaccgcat gttcgaagac cgtatgcttg t 221

<210> 12921  
 <211> 615  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12921

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gcggactgtt tcgctgattg ctcgttcttc cacttctcta caacctgtgg aacgcctata 180
gatgcaactg tctcgaaaac ccacactttc tcaggggctg aaggatcata tcgctttgtc 240
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gtgctgaagc tcgtccggct cttgtaaacc ttccgtaaga cctgcgcata gctatgggat 480
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<210> 12922  
 <211> 404  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12922

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caacgaggcc gatgacgata ggcaagccaa ccttatgaga gtcaagcgcc tgtgctatga 300
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caactagctt gaaacttagc tctatttggc gcagtacaac cacg 404
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<210> 12923

<211> 101  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12923

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<210> 12924  
 <211> 163  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12924

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 gacaagcccg aagcgcaaca gatacctggg acctttgacc ggc 163

<210> 12925  
 <211> 152  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12925

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 tcgccaggaa ctcgatcagc ttgccaagtc tg 152

<210> 12926  
 <211> 455  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12926

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 atcacaatat ggttctagaa gatccttata tcaacatagc tgcatacaga taccaatctg 180  
 acacattctg cattagctgc agagcatctt gcctgtctag aacttaacga cccccgctg 240



ttgattccaa cctacttcag tatcattggt gtgatactga tacgttgac acaataaatt 300  
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<210> 12927  
<211> 802  
<212> DNA  
<213> Aspergillus nidulans

<400> 12927

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cgtgcccaat ccataaccg atatcagtgg gctttgcgag tacgatctaa atgctagctc 180  
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attgatatgt atgtcttaga ctctcgctaa caacataaag gatgatatgc gatcgaaggc 300  
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<211> 138  
<212> DNA  
<213> Aspergillus nidulans

<400> 12928

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<210> 12929  
<211> 279  
<212> DNA  
<213> Aspergillus nidulans  
<400> 12929

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gtaagattgg tgcctataga cttcatattc atgctaagtg atagaacaga gtcataata 180  
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cacgatacta ctagacgata gagttcagga ctgcaaacc 279

<210> 12930  
<211> 148  
<212> DNA  
<213> Aspergillus nidulans  
<400> 12930

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atcgctgcga acagtgtcgt ccagaaac 148

<210> 12931  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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cggcggccaa acaacaaaaa agacacgaag accagagcaa cggtaaaaac accaccagaa 180  
acggccagca accgggagga acagccagag caaccgccac cacagcccga cagaaaacgc 240  
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ggccccacga ccacaacgcc caacaagcac acggcggaca agaagcccac ccgggacgca 360  
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<210> 12932  
 <211> 1557  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12932

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<210> 12933  
 <211> 878  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12933

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 cctcttacca ataggcccc cccctccta cccctatca catagttoce cctgccattt 600  
 cccctaccac cgatccattc tccccctta taaaccctt tcccaccaa tttcccctc 660

ccccctcttta tccccacctt ttccccacctt tctccccctt tccccctct actctcttca 720  
 accatctttc acaccccccc ttgtctctc cccccctgtc ctccatccct ctctgtcacc 780  
 tattctttac cccctctccc ccctatcata ttaaacttct ctccgccctc tcctcctcac 840  
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<210> 12934  
 <211> 605  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12934

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 acaaaaaaaaa aaaaaaaaaac cggacccagc caaaacacca aaaaaaaaaa acacaaaccc 180  
 caacggaaaa agaacccac aacagaaaag cgaacaccaa cggctcccc caaacaacac 240  
 acaacaccaa acaaaacacc aaaaaaccac aaacaaaaaa aagacacaaa aaaaacaaaa 300  
 cccaaaaacc caagaagggc aaagaaacaa acaaaaaaca agcaagcaag ggcacacaac 360  
 agaaaaggcc acaaaagcac cccaaacaaa cacaagacaa acaacataaa aacccaaaaa 420  
 aagccgaaaa ccccaaaaaa agccaaaacc agcaaaacaa aagacaaaaa gaaaaggcc 480  
 caacccccaa caacaaagaa aagcaacaaa aagcaaaccg agaaaaggcc caccaaaaaac 540  
 tgcttcctt ngaagcaaaa tccaaaccaa aaccaaacc caaaaaaaaa acaacaaaac 600  
 acaaa 605

<210> 12935  
 <211> 664  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12935

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 gtcccttcta ttttttttct tttttttttt aactttttct attcattatc tatactctct 180  
 aactcgttgt ttttttcatt tttttttcca cttcttttct ttttttttct ttttcatatt 240

tctttttttt ttctacccta tttctttttg tgtttttttc catttttctt tttttttacc 300  
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 ttttatttcg tcttttttcc tttttatata cttttttttt ttgcataatct tttattttatt 420  
 atttttggat ttttttatct tttttttttt attcttttta attatttcat tgtgcatttt 480  
 ttttcctttt cttcttttat aatcatgctt cttctctctc ttatcatctt gtttttttct 540  
 ccaccttttt atatttatat cttttttttt tttctctttt taattttttt ttttttttta 600  
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 cttt 664

<210> 12936  
 <211> 591  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12936  
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 ctctttgtgg tttgggcttt agttgtgcc caaatctgtc tctcagtttt atgttttaca 180  
 acagaataga gctttttgac agcccttgta gaggtcaata ttgacagctg tgggctagga 240  
 gtcaaccac accttgcgct tctaatacgc tcgacatggt ctcagccgct gagcagcctt 300  
 tcgaattacg tggatctttc atccgcatag gcttaggaca aacaactaca ttgttcagga 360  
 cttattaact ctcatatatg tttattgtca cctacttag gtctcatcg tcgacacaaa 420  
 agttgacggg tttgccactt tactggcgac accattttat tgggcaagtt ctttaattcag 480  
 gtcattagct taatggcttt ctaaataaac ggaggaaaga ctactatttt gtactacttt 540  
 ctaccgtccc catctggcgc atgccgtcac atgtttttta gagacattat t 591

<210> 12937  
 <211> 584  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12937

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 tctatttttt ttatcttttc tttttgtttt ttttttttta tttttactct ttttttccgt 180  
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 tttttttttt cttttttttt tttttttttt tttttttcat tttttttttt tttttttttt 360  
 tttttctttt tttttttttc tttttttttt tttttttttt ttttcttatt ttttttttct 420  
 atttttttta ttctttttat ttttttttta tctttttttt tttttttttt tttttttttt 480  
 tatttctctt ttttctattt tctaatttta ttctcgtatt atatattcca tatttttctt 540  
 tcctctttta tccttcaatg tttctctctc tttattctct atac 584

<210> 12938  
 <211> 636  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12938

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 ggcgtatcca acgttgactc aactaaccag gggacgcca ccccatctac cgctctcgag 120  
 aattgggtcg ttagatgtag ccggccacgt cgagacaaag tcccgagac aaggatataa 180  
 tctagcagaa agctgtctca gatagtgatc tcgtctaccg attccctggg atctgggact 240  
 gcaagcttga acggcaaacg tctgacgggt gtgcagactc cgtatcgttc cgatcatgac 300  
 aggcccagac acggacacta aggagaggat aagcttggcg agcaggccaa tagcctgtat 360  
 gatcgctatt aggaccccg atgggttagtg gcgctactgt aaaatacaga aatgggaggc 420  
 cttaccgcag cagtgtgac cgatcaattt gtatggggcc cgagaaattg ctcaccaaga 480  
 ccacgggagn gggatcaggg cgctaaaagg gaaactgttg agagcggata gttttggggt 540  
 atccggataa cgagtctctt gtccttgatg atggagcgtg atcttgggag ttgagaacaa 600  
 tgccactttt gttagggaag agggaggaac agaggg 636

<210> 12939  
 <211> 549

<212> DNA  
 <213> Aspergillus nidulans

<400> 12939

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cacaacaatg tgttcgaagc ttaagatgac gcttatactc gcgcaaaaag tacacgctgg 120
aatccaatga agtgccacat aaacaactag ttagaacgga tgccctcgct tgagctcgtc 180
gcgttcacag tgccaaagcc tactgtgaac aacaggacct gagcaccctt aacactacca 240
ctgttgacta tatagaccta gaacatgctc aatagagaag ccctgccacg ataagcaaag 300
gaccatatta gcccgctgaa taagagagat gttagtttta ctaagagtaa gagaagccag 360
actgctgtcg gctgagtaaa acagcgtcag cgataagccc ccggcaagcc gccagaacca 420
catatactcc gtgactgctg ctacctaagc cacgtcttta attggaacgg actggccggc 480
tcagactcat gattaatggc gtgtgtatat atggggggcgg aaaccatcat ccgatgatga 540
accaaacgc 549
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<210> 12940  
 <211> 490  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12940

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ccctcccccc ccacacttc cttctcccc cccccctcc accccccccc cctcccgtc 120
ctccccccc tcccccccc cctcccgc cccccccct ccccccccc cccccaccc 180
ccctcccccc ccccccccc cccccctcc ccccccccc cctccccccc ccccccccc 240
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ccccctctt ccccccccc ccccccccc ccccccccc tccccctc ccccccccc 360
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cctcttccc ctcccccca cgacctgcc accccccccc ctccccccc cccccctca 480
ccaccacct 490
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<210> 12941  
 <211> 537



<212> DNA  
 <213> Aspergillus nidulans

<400> 12941

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cctaggggtct ctccttacta atggagcggg ttgttgtaa aagaatgctc cctgaggact 120
acacagcggc ctggagaccc gatagtcctc tgagactaat gtggcagccg tgaggaaagt 180
ctgaacaggc ctagtaaggc cactatgcca ggatggcgac tctagctcaa gagaggtcta 240
gtacgcttgg gtgcctatca ctgggcccac gagggctgaa gcgaaacttg ttctgaagtt 300
agcaggaccc cttttgccca gtcccaccat cctaagcttg acatatcaga ggaaatctac 360
gctaacagga tcagggctac tatccccggg tgcattgattt caggaccttg catgctagct 420
agccggcaag tcagcattcc tcgcagtggg taataccgct ttatttaacc tgcctatgtt 480
gaacatcgct gcatagggaa catggagaac aatcctccca tggcccctaa cggacct 537
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<210> 12942  
 <211> 680  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12942

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ccatttatcc ttcgatttct tgttttcttt ctttactttc ttatacgaac acgttcgccc 120
aatgactgca accgaacccc aacccccaaa cagattgcga cctcaactct tctcgataag 180
tgaaagtaaa aggggtatat agtacataat cattcactcg tcagcagata ttgactttag 240
tagctgcatt ttttcaagaa tcaatttgga aaattgcagc acggtggctg tatcaagagg 300
atgagctcgg ccacagagga tgaagacagg agaaggttct gcgctggata cctaccaggc 360
ctacattaga atgacacaag aactgctagt taggttgaca tcagtcgtgg gttgggctgg 420
gtatgtagat acacaggctg gaagacctaa cggagggtgat tctacccaag tccaggcaag 480
taaatagggtt cgtaattccc agaccatgac ccttaagtac ggaataaaaa gcactataac 540
aatatttaag taatccaaga gattcaggcg actgaagatg tcgaaaatca cgaactcaac 600
acctataatc atcattgcat gctacccaaa cccacgatac caatatccgt tcgttcatta 660
gcaaggcacg tcagtctagt 680
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<210> 12943  
 <211> 276  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12943

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 gacagatggg agatcagatg gaaaaaccta tcctatgatt ctacggacgg atgtaccacc 120  
 atgagccagc aagactcctt agagctaccc tgataggatg accggacata gaagagaccg 180  
 gctgtgacta agagacagac ttattacttg ctcgactgac cagctcttgt cgtgagagcg 240  
 ctaccagct ctactatgg cctgacgtcg atcgca 276

<210> 12944  
 <211> 320  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12944

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 tacacacttg atctcaggaa ccgagtgcgt tgaatgagcg tagacacggg agactcgatg 120  
 agaggggtgc aacttcgcat catcacgtc actacgcgcc ttttcacca cagatcgta 180  
 tgtgcaatga gtactatgct ctgctaagta tgcgcgtaca ccgtgttcat gggatcaata 240  
 tgaacgagcc agtttttcct ggatgcgaac gcataggggt gtcttcatcg ctgtagacga 300  
 gattgttctt gttcagtcga 320

<210> 12945  
 <211> 656  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12945

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 aaaaanattaa aaaagaggat ttaaaaaaaaa aaaaaaaat tatttaaaaa atatataaaa 120  
 ttaaaaaaaaa aataataata aagaaagaaa aaaaaaaaaa aaataaaaaa aaattaaaaa 180

attaaaaatt gttaaaaaata aaaaaaaaaa aatgaaataa aaaaactaaa taaaaacaaa 240  
 taaaaaaaaa aaaaaaaaaa aagaaaaaaaa aacagaaaaa aataaacaaa aaccaacaac 300  
 caaaaaaaaa tcacaaaaat tcaaaaaaaaa aaaaaaccaa aaaataataa aaacaaaaaa 360  
 ataaaaaaaa agaacaacaaa acatacaaaa taaaaaaaaa aaaaacaaaa ataaaaacca 420  
 caaacataat acaaaacaaa acaaaaaaat acaaaaagaa aaacttaa ataaatcctaa 480  
 ataaaattat ataacaaact cctaattcca ttaaaacaaa aaaaaagacc aacttacaaa 540  
 aaatataatc aaaaatctaa caataaatat aaaaaaaat actaaaacat taacacagaa 600  
 aaaaaaataa agacacctta aataattaaa aaaaactaaa aactcaaaaa aaaaaa 656

<210> 12946  
 <211> 479  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12946  
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 ggggtggatgc agctaatatg ttaacaacac ggaggttgca aggggtattc tgaagctgag 180  
 atagagtctg ggctgttgga atgacatgca gccaaactgc aagctcagga gccgtaagcg 240  
 gtaggttgga cattgtaaag aagatgaatg acagaactac aggcgggggtt gaaacgagcc 300  
 agtactgtac ttggtataga gggagaaaga ttgtaatcgt aaatagaggc ggcttcagag 360  
 agaggggatg ggtacttaga cacttctgaa ccaagttcga cgagaaatag ctccgtatga 420  
 caatggatca actggtggct gctgtaatac ctactggga gacctgtatg aaccgtac 479

<210> 12947  
 <211> 946  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12947

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 aaacaaaatc aaaaacaaaa caaaactaaa taacagnccc gggcgaagcc ggggacaaaa 120  
 aanannaacc ccaaccncaa tacttggtta agatcaacag agggnnngaa aaaaaaggg 180

aanaaaaaac aaaaattaaa ccaccaata aaaaacaaca cccccccacc ccccggggcg 240  
aaaaaaattg aaaaaaaaaa aaaacatnaa aaacccccga aacaaaccac caataaaaaa 300  
aacacaaca aacaaaaaaaa caaaaaaaga aaaaaacaaa caacaagaaa aaaaaaacia 360  
aaaaaacia acacaaaaaa aaacaactac aacaaaaacc aaaacaacia aaaacaaaaa 420  
aacaaaagac aacaaaaaaaa acaaaaaaaaa aaaaaaacia acaaaaaacia aaaaaccaac 480  
accaaaaaaa aaaaacaaaa accaaaaaca caaaacaaaa aaacgtacaa aacacaacia 540  
aaaacaaaa acataaacia acaacaacia aacaaaaaac caacaccaca caaaaaccaa 600  
acaaaaaaaa agaataaaaa acaaaaaaaaa ataaacacia aaaaatacia acacaaaaga 660  
caacaacia aaagacaaaa aaccacaaaa aaacaacia aaaaaacaca taaagaacac 720  
aaaaaacia aaaaaaaaa acacaaaaaa ccgaacaaa agacacaaac aaacaaaaac 780  
aacaccaaga acaagaaaaa acaacaacia cgaataaaaa cacaacaaa aaccgacaca 840  
aataacaaaa tgcaacaaaa acacaccaga aaaaagaaaa aaacaacca aaaaaaacia 900  
taaacacaaa caacaacaac caaaaaacia aaataggaaa caaaaa 946

<210> 12948  
<211> 149  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12948

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tctaccggc tctggcactc tggcttgg 149

<210> 12949  
<211> 615  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12949

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taaggctgac ccattcacc cgggcgtgcg cagcgcgcca cacatgagtt cggccaatgc 180

aagagtagta cgtaggcgct tgacttactc aacgccttga cggagaaccg accctcaaaa 240  
ggctgagatg aagcgctaag tcgatcaata cacctaagct agtggactac ggagccact 300  
ctcatgaggc agggattcac actatataca ataccttgag taatccgcgg ggaacgttgg 360  
aaaacgactc aactcgccaa ttgacgttct gtgatctcgc gagagggaat cggcgagcct 420  
atctacagct gagtgatgca atcgcttaat ccacacgatg cgacctgatg ccagacaaac 480  
ccccacggtg tggcgatata cctgtcctac tatgtagcat atatcgaata aacaacgctt 540  
actttagaag ccttatccgg agttgggggg cttttgtaac agccacaca agtagccagt 600  
gggcccggac ccaat 615

<210> 12950  
<211> 119  
<212> DNA  
<213> Aspergillus nidulans

<400> 12950  
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ccctggacag tgcccactac ggagtcatac tcggacagtg aatagctgcg ccgaatcga 119

<210> 12951  
<211> 147  
<212> DNA  
<213> Aspergillus nidulans

<400> 12951  
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cagagcctag cggtagcaac agatcaatga tgctctgggt cgtacaggac caagcgtagc 120  
caacagggct ggtcggatgt ggatgtc 147

<210> 12952  
<211> 690  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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gaacattctc ttctgtgaat agaatatatc ctggagaggt gggatgaacc aagccaacgc 120  
 acggccaaga tagtagccag ggggagcgaa gtgcttgagc agatgcgcaa ggtctcccat 180  
 ccgccgttct agcataagaa cgaagggttc cttgacacct ttggcgacga tgctgcgcc 240  
 accgccgaac gtaagctggc agactatttc gttggccatg agagtccacc accccatgat 300  
 ctcggcctcg ccctttacgg cgtcgcattt gatcttctcc acggtcagct tgatgatatc 360  
 ccggaccttt ggctcccact cgtttcgtaa gctctgcagc gtgaaacccc gggcgtaaag 420  
 tttagcagc gccgcatgga gntttggatc ccgaaagttg aagatattgt ctaccggccc 480  
 tggtgataga agctcataga agggagcttt catgaagcca gatcccatgc ggtggatctc 540  
 gcgtcctgcc acaggatctg ccacgtcgat tcttgaggtc cgttccgacg atgggccata 600  
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<210> 12953  
 <211> 720  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 12953

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 taaaaattaa aaaaaaaaaat aataaaaaaa ttaaatataa aatgaaaaaa aaaaaaaaaat 180  
 aaaaaaaaa taataaaaat aaaataaaaa taataataat aaaaaataaa aaataantaa 240  
 taaaatataa aaaaaataaa aaaataaaaa ataattattt aattaataaa atataaaaaa 300  
 aataaaaaata aatataaaaa naaaataaat aaaaaataaa attaaaaata aatatattaa 360  
 aaataaatta tataaaaaaa taattaataa ataaatatat aaataaaaaa aaaaataaaa 420  
 aatTTTTata nntttatata agaaatataa atataaaaaa taagaaataa tgttatatta 480  
 aaaaataata aaaaaaaaaa aaaaataata aaaaataaaa taataaaaata aataaatata 540  
 taaaatgat aaaaaaata taaagtaaaa taataaaaaa aaaatataaa taaataataa 600  
 caaaaaaaaa aataaaatat aaaaaaaaaa acaataata aaaaaataa aaaaaatata 660  
 atataaaatt ataaaaaatt aaatatacaa aaataaatat aaataaaaata aaaaataata 720

<210> 12954  
 <211> 903  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12954

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 gagtctcaaa tagacagcac ggcaactaac tctaatacag cagaagttag ggttgccgg 180  
 accgctgacg tggggagtga cgattagccc caggaagcct ggactaaact gactgataac 240  
 gcaatcccc aagctattag acacagatta aagcacctga tttgttgccg tagtcgaggc 300  
 caatctactg gagacagaac cctgccggca cagccacggg gaaggccac aacggctcat 360  
 gctcatattc agggctcttg ccctcattcc gcacgatacg aagtatcctc gtatctctaa 420  
 gatcgagctg attgtcctat gtaccattta gaatagagca gaactacgca cgagtctttg 480  
 tcagatacct ttacaagcca gtaaagccct gctgctcgag tctcgcttct cgagtccctgc 540  
 ttctcaagtc ctgcttctct ttcgtgcaga tttgcgtatc actgcagctg ttagaataga 600  
 tagtccgtcg agacagagat attgttctca cgcggaagga tcagacaatc tagttcattc 660  
 gaaccggca accgaccagt tggttggggc cgtcgccgaa tggatgagac ccactttaag 720  
 caaccgtcg gccaaagggc tgtgtgaact gactccctt caagttttct gcaaccattc 780  
 aggaagcgta gaaaattggg gagcactaca taggctaact gtcaacgctt atttctattg 840  
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 tga 903

<210> 12955  
 <211> 888  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12955

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 aggaaaaaaaa aaagaaagaa agaaacaata aaaaaagggg aggggggaca tatgggaaaa 120

cnagaagaag gtgaggggga aaaaccgaga aagagagaaa aaaaaaaaaa cgcgcaaaga 180  
 aaaaaaaaaa aagattagaa cccaaaaaga acagaaagga agaagagggg gggaaaaaaa 240  
 aaaaaggaaa aaaagaagaa aaaaaaaaaa aaagaaaaga aagggggaag aataaaaaaa 300  
 aagaaagaag ggggaagaac acaaaagaaa agaaaaaaag agagaaaaaa gaaaaagaaa 360  
 gaaaaaaaaa aaaagaagag aagaaaaaaa aaagagaaac gaagaaaaag gaaaaaaaaa 420  
 gaaaacaaga aaaaaagaag aggaaagaag aaaaaaggaa gaagaaaggg aagaacaaag 480  
 agaaagaaaa aaaaagaagg aaaagaaaca aagaaaaaaa aaaaaaggag aaacaagaaa 540  
 aaccgaaaaa aaaggaaagc gaaaaaagac gaccgagaaa gagaaagaga aagagaaaaa 600  
 aaagaaaaga aaagagaaag ggaagaaaaa gagaaaaaag aagaagagga aaaaaaaaaa 660  
 aagaaaagaa aaggaacaga aagaaagaaa aagaagagga aaacacaacg aagaaaaaaa 720  
 aaaagaagac gaaggaaaga gaagaaaaaa agaaaaaaa aaaaagggaag aaaaaaggga 780  
 agagaggaag aaagaagaag aaagaaaaaa agggaaagag aaggaaaggc aaaagggaagg 840  
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<210> 12956  
 <211> 930  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12956

caaacaaca acacaaataa cataaaaaaa caaaaaaac aaaactcttc acaagataac 60  
 aaaatataga aaatatataa caacaacata aaaataaata aaatattaac taacctctaa 120  
 cacaggcaga tagcaagtta ttggcaaaaa acaaccgccg aananaaaca ccaaaaatta 180  
 acaaaaataa aaattttact aaacaaaaca attttttttt aaacaaccca aaacaaaaaa 240  
 aaaatacaaa aagggggggaa aatataaaaa aaaaaaacag gggagaaaaa aaaaaaaaaa 300  
 ctaaaaaaaa aaacgaaata caaaaaaaa taataaaata aaaaaaaaaa aactaaatgt 360  
 aataaaaaat ataacacaaa aacaatatat aataaataac aaaaaaaca aaaaacatca 420  
 aaagaatata atacaacata acaacaataa gaacacgaat gacaaaaaat taaagactaa 480  
 taaagaaaaa aaaaaaaaaa ataaagaaaa aaagaacata aagaaaaata aaaagatata 540  
 caaaaaaaag ggaaaaaaag tgaactaaaa aaaaagggaag caccaaaaac tacgcagcga 600



aaaatataag aaaaaaaaaa taaaataaac aaaaataaaa aaagaactaa aacaataaaa 660  
 acaaaataga caaaaaaaaa aacacaaaaa taaaaaaca aaaaaaaact aaacataaca 720  
 agaacaaaaa acaataaaaa aaaaaaaata aaataaaca cataagaaaa caaaaaaata 780  
 caacaaaca aaaaaaaata aaaaaaaaaa aacaaaaata ataaacaaaa aaaaaaaaaa 840  
 aaaataagat acaaaacaaa aacaaactaa aaaaaaaaaa caaaaaaaa aaaaaaaaaa 900  
 aaaaaaacat aaaaaagcaa aagaacgaaa 930

<210> 12957  
 <211> 784  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 12957

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 aacggaaccg aggagaaaag aaaagaaaac aaggcatgga aggagaaagg ggaaagagaa 180  
 cggaaaagga aaaagaaaa caaccaccac acgcaaatg ggggaagaga caagggagaa 240  
 gtaaagaac aggcgcaaga agggaaaatg aggggcagga gccaaagaa agggaaaccag 300  
 ggaaaaatca aagctgacaa ggaaagcggc gagaacctga aaggaacaaa ggaaaggcgg 360  
 gaagcaaaga aaagagagag ggaaaggcgg caataagaaa gaaaaaccaa cagggaaaag 420  
 aaggggagcc agaaacggga cggaagcaag gaacgggacg agagaaaaaa ggggaaaaag 480  
 aaaaaggcgg agaagcgga aaggaagaag agggaaacgg cagaaggag aaaaaaaga 540  
 gggcaggaaa acgaagaaac gaaggggaaa gagccaagaa ggaaggggaa gaaaccgaaa 600  
 gggggacagg caggacagaa cagagacgaa aagagaaggg aagagggagc ggagaggcgc 660  
 gaaccagaca agaaaaaaga cgacaaggga gacaaaaaag gacggaaaaa ggcagacagg 720  
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 gaaa 784

<210> 12958  
 <211> 523  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
<400> 12958

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acaaaaaaaa taaaaaaaaa caacaaaaca accacaaaac aacaaaaaaaa aaaaacaaaa 180  
aaaaaaaaaa aacaacaaca aacaaaataa acacaaaaaa acaaccacaa aacacaaaaa 240  
aacaaaaaac aaacaaacac aaataaaaca acaaaacaaa aaaaaccacaa aaaaaacaaa 300  
aacacaaaaa aaaaaatata caaaaaccta aaacaaaaaa aaaaaccaac acaaacaaaa 360  
accataacaa aaacaaacaa caccacaaaa aaaaacaaaa acacaatcaa aaaaaaaaaa 420  
aaaaccacaa aacaaaacaa accccaaaac cacacaaaaa cccaaactcc aacacaaaaa 480  
cacaaaaaca aaccaacccc caaaaaacac aacaaaaaca aca 523

<210> 12959  
<211> 562  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 12959

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ggctttgcgg caattcgaat ggaaaatgtc tgccctcatt tttcttactt ggttcctgat 180  
tgaagtcgac tccagcttct ccgtctactt tgtcatatac ttctcttctc gtgatgctac 240  
tttgtctac atccccaact cattatttaa ttatcacact catattcttc tttcttcctt 300  
tttctccact ctttactctc atatecttct ttcccttctt acttctctt cttatatcat 360  
atccttatat tttttattcc tttttttatt atcacatctc ttcttctctc ttctcttctc 420  
cctctctttt cctatatata tcattctctt ttatattcat ctactctctt tctcttctct 480  
cctttctatt ctttataagt atcttgctcc attctcctc cattcttctc tttttcttct 540  
actcctcctt caatacttca tc 562

<210> 12960  
<211> 582  
<212> DNA

<213> Aspergillus nidulans

<400> 12960

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ccaccacatc cccacgacgc taccaaaacc cccaacagg cgcggcccca ccccgacca 180  
acagctcccc caccgcaccc gcaacgcccc acataacccc accaccccac caccactcac 240  
cccaacacca cccactacc ccgaacccca aacacccccc cccacccccc acaaccccac 300  
ccaaccaacc ccaccacccc acaaacccaa acccccacac acacccccc accacctcac 360  
cctccatacc ccacccaaaa cccaccacca accacccccc aaccaccac accccacca 420  
ccccaccaa ccaccacaca cccacacccc aacacacaca accaatcaca ccaacccaaa 480  
cccccccac cacacatccc ccaatccac acaccacca ccaaaccaca cacaccacc 540  
accacctca caccacatc accacatccc ccccaaccc cc 582

<210> 12961

<211> 162

<212> DNA

<213> Aspergillus nidulans

<400> 12961

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attctcacct ccacgatggg gtcgatcgcc acgaacgcag ccgtgagctt ggacatacaa 120  
gagattgcat atcctcgta cgtacagact ttggacgtcc gt 162

<210> 12962

<211> 476

<212> DNA

<213> Aspergillus nidulans

<400> 12962

gtgtactttt tggaggtcac ggtcatgctg gcccgcttct agtagcaaga tacgcacagc 60  
ccgtgctctt ttgccagaca ggacggcaac gacgcatgct gaggtcctgc caatgactgt 120  
gtcttctgca ctgccatcat aacaaggta ggaacgtgta gatctaaggc acaaccgcga 180  
cacgatgtac tgaatgaggt ctgagccgta aagcactgac acccatgttt gcacagactt 240

cctacgacat gacgtattat gaaataccca accccaaca ggggagtttc gcacagcctt 300  
gaagcgcaca ggaaggatag gcatgagctc ggaatgctga ccaccagtg agttcacggt 360  
tcggcagcgt ccggaaatcc gactgtccgt atcgttacca tgggtcgtac atcgaccgaa 420  
ccggggctta caattccaat taagggtgct gaaacatcga tcgatcccc gctcgc 476

<210> 12963  
<211> 687  
<212> DNA  
<213> Aspergillus nidulans

<400> 12963

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ctcagtagtt gttgccaatc caagcatatc ttactacctt tggttatctg aacatgcctt 180  
tgcttgagct ggccgttggt ggaaggctga ctgcatgaat gcagcctgta ttccagcaaa 240  
tgattgggca ccatatatct gcaactgttg acagaacata tcctttgact gtcctcgcaa 300  
cgcaatgagc atctaggctt tgtagccctt tattcggata atggaagcaa atgtgatatc 360  
atgactcttc cagctgataa tcttatggag taggaaagaa acaagtcctt gaaatcatgg 420  
tatggactgt cgggcatggc gtcccggtac aaaattgaac ttgggtataa cgtaagagag 480  
gaatgattag agaaacggtg acttgccagt tccatgcacc tgaaagacag tcaaagcaag 540  
ctaggcttag gggcaatttt gccctcacca ctctgcaac ttgtctagat agagcttaaa 600  
gttctagcca cttgcaaacc aaatgaactt gctacttgat gcaaaagacc cgcactcacc 660  
gactactgta ggggtaaagg ctgctgg 687

<210> 12964  
<211> 851  
<212> DNA  
<213> Aspergillus nidulans

<400> 12964

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tgtttcctcc gagaatcgac aacaacacga cgggcaccgg tagtataacc tgggtatacc 120  
gtgtgtcatt aaaaacctcc gtccagatcc agattgctga gacacaaaaa tcaaccagc 180

aaaacagcga cgtgtaaatg aggaaaagca gaaacgcttt gtagttgctg agcccaacgc 240  
 aagtcgccag ccacggacaa tgatgggtcca tcttcagcac acactcgttg cacgtggagc 300  
 agtgatgcgc ccggtccggc ttccggacatt ggcatttctt gcaaaaccgc gaccccccg 360  
 taggagtgac ggtgtaagaa gtatatccgg gtaacttggg aatcggtaac gcactgaatg 420  
 ggagaccccc accactgggc gcactaaaag ggggaccggg atctgtgaag accggcggtg 480  
 ttaagaaaag gtgagggctt gtagaggacc acccccagat caactgggga gttccgaaaa 540  
 gggagcctga gttgagtaaa cggttcgaga ctgcacaaca accttttcag aactctggtt 600  
 ggggttaaacc caagctgggtt tacgtcaccg gccgggtggga actgggacca acccccagga 660  
 aggaatttgg ggcaaagaat accttgaaag tagggcctgt ttggtgggtt ttgcagttgg 720  
 accaggtgtg caggcaaggc cctaccgttt ttttaactcg cctttggggg gacctgcaaa 780  
 acttaagggg gtttttgggt cttgttcaat ttgggggtcc ggacttaatt tttttaatag 840  
 gcgtaaaagc t 851

<210> 12965  
 <211> 936  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 12965

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 aaaaacggaa gaaagaaaaa ataaaaacag aaaaatgaga aaaggagtgt aatnaagaaa 120  
 aaagagtagc acaggaggaa attatganaa aaaacaccgg ggggaaaaaa aaaaaaaca 180  
 aacaaaaaaa aaaataaaaa aacaaaccaa tttattaaaa agagaagaca aaaaaaagga 240  
 ataaacgggg ggggggtaaa aaaaaaaaga aatagggggg gggaaaaaaa aaaaaaaat 300  
 aaacgaaaag gaaaagagaa agaaaaaaag agaaaaaaa aaaaaaaaag agagaatgaa 360  
 agaaacaaag aaaaagaaaa gaaagagaga cgaaacaaaa aaaagagaaa aagagaaaaa 420  
 aaacaaataa aaaagaaaac gaaaaacgaa gaaaacaata aaaaggaaaa agaacaaaaa 480  
 gaaaaaaaaa gataaaaaga taaaaaagaa cagagaaaaa ggaaaaaaaa aaaaagagaa 540  
 aagaagaatg aaaaaaaat gaaaanagaa aaaagaagaa aagaaagaga aggcaagaaa 600  
 agaaaataaa aagaaaaaaa acaaaacaag aagaaaagaa aaacggaaca aacagaaaaa 660

gaaaaaagag ataaaaaaaa aagaaagaca aagaaaataa acagaaaaac aataaataca 720  
 agaaaaaaaa aacaatagaa aagagaaaaa aaaacaaaaa ggaaaaaaga aaaagaaaga 780  
 aaaagagaaa gaaggaaaat aagtgagaaa gaaaaaagaa aaaaaagaaa aagaaaaaca 840  
 aagaaagaaa actagaaaga acaagaaaga gaaaagcgag aaaccaaaaca agaaacacat 900  
 agaaaacaag agaaataaag aaaaggagga taaaac 936

<210> 12966  
 <211> 274  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12966

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 gtttcgttca gagggccctg aaaaacaacc gcgggcttat aaagatatgt ccagcgggtgc 120  
 accaactcaa tatctcgggt ggctcagct gcacgaccgg tactaacaga gctcgggtata 180  
 cttgctgagg aaccgaacaa aggaacacca agagtctgtg atcatgcaag tacacagcat 240  
 aagaatctgt atcgtgcttg acgtacagac tcat 274

<210> 12967  
 <211> 552  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12967

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 gggctcttaa ctttcttggc ttaccgcact ttttgctaca aatataaaca gggttggtta 120  
 aattaccag acaaaggaat atgtcgggcg caatcaaggc atacggggcc aacaatattc 180  
 ccttggcaga agggtttggg gtggtaggag aaaacaatcc accgggacac ctgctcgtcc 240  
 cggggaccag cgtggtagaa gcctgatcgg gaatggcccc ttttactcct cacaatttga 300  
 gccgtttacc aatTTTTgca gttgatcttc ctgcgaccga gtgaaacacc caggagcgaa 360  
 cctgttgggt gaatcttaga aaacaagccc ttggctgagg gcttgccaac atgaccatgg 420  
 caacttacta tgagcatttg ggggtacctt ttaactggta ttgaaagaac acccaaactg 480  
 aggtaaagat aattcctcgg aggcacggta attcttcttt aacatggctc ctgatctgtt 540

tgattgaggg gc

552

<210> 12968  
<211> 815  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12968

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ggccgagttg ttcattggtg gcgtctgctc tatcagggtg tatgctgttt tcgttttggc 120  
tggttgatat gcttgccgag caggagccga tcaggaggc cttgggcata tcgagctcgc 180  
agctaccgtg gattgttaga gccttcaaca cggcgaatgg gctgtctgtt gttgtttcag 240  
gttctctggc ggatctggca ccgccgaaaa tgcttatggt gagcgcatat gcgtggctgg 300  
cgggtgtgaa tgctgtcggc gcgttctcac tcaaccatga gcgttatatc ctcttctttg 360  
tcgtgagggc tatgcaaggc ctgcgcattg gagttctagt ctcgaggaga tgaagtgtgc 420  
tggtgacttt ttataattca ggaattcgca agaccgggtc ttttttgcca tcgcacaaca 480  
ggccggttgg gatactgttg gtgcctcgag gggggcgccct tgccggcctt tgaagggatt 540  
tttggccaat gcttttcttg gccttttgcg ggtggcgggt ttttaaatac cgccttttcc 600  
cgggggggtg ttaccggggg cggccaccac ttccggaggt aattttttta ggctatcccc 660  
ttgaggattt tttccttttt cggcaaccag gcctgaatg gggcccatat cccgcctaaa 720  
taggggttaa agtctgcctt ttctgggagg gggccccccc ttacaccccg tttggcccca 780  
attcgggggg ggcaatttgt tgttcttttg ggggg 815

<210> 12969  
<211> 1166  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12969

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gctgattcgg agcccaggag gtccttgaag tacttcacat ctccgcaggt gatctcggcg 180  
aactcggggc tcctcttgag cgtgggatag gcgtcgcttg tgtacttcac ttccttcggt 240

gcttgtcgtg cagatgcttg ggaaaagcag cgagtggccg gcacagagag ttgagagacg 300  
agggggccgcc cactgaggcg cggcttgggc atgcgagccc gtcgaagggc gattgagaaa 360  
tttctggctc cagacatagc gcgatcgttg acaataaacc cagagctcgg tgagaatctt 420  
cgggctgtca aaagattcag tccgttcgga gtccgctccg aaaagctcgc ttattcagcg 480  
cccgtcttcc cccggtatcg gcatgtatga gcagcataca gagatgcgca aatccaacga 540  
ataagaacac gttaacacgg cacatctctg aatcgcttag tactaagata tccgctatgg 600  
cggaaccttg ctcgggagct tccatattct gtggctagaa cacggaaacc tgggtattga 660  
gttcaggcag ctaagcaagc agctatataa gcagctatat aagcagctat atgaccccca 720  
tcttgccttc tgggtctaaa aactctaagg ttatcctttt tcatcattcc ctaagcgaat 780  
atgtccttgg gaacaatcta tacacacatg atcagctaata cttctgataa tcaactctcc 840  
tcaactcttc ctttagcaag acacgcattg gcgcgctttc agatatgaaa ggatatttga 900  
ataggacgtc gaagtgtaga ttaagctgct gagcattggt attctccaga ataggattgt 960  
atgccaacga gtccggattt tgcgagttgt ctacatggcc ttgctgtagg agaacatcga 1020  
tccaatcggt tgccttaagtt agacaagctc ttttttgagg ctcttgccaa atttctgagt 1080  
cgcccagcaa actatacata gtaaccggtg ttgatctggc gtaatctggt ggattcttcg 1140  
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<210> 12970  
<211> 615  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 12970

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aaaacaaaaa aaaaaaccaa caacacaaag acacaaaaaa ccacaaacaa caaacaaaca 180  
acaacaacac acaacaccaa caaacaaaaa acacctaaac aaaacaaaaa gccaaaacca 240  
taccacaacac catacacaca aaaaaaccaa accaccaaaa aaaaccaatc aaccaaatca 300  
aatcaaaaaa acaaaaaaaa accaaaaaaa aaacaaaata acaaaaacac acaataaaaa 360  
aaaacaaaaa aaaaaaaaaa aaacacaaat aaacaaaaac ccaaaccaca aaaaacaaac 420



acaacaacac aaaaaaaccaca aaacaaacac aacacaaaaa aaaaaacaac cacaaaaaaa 480  
aacaacaaaa aaccaaacac aacaaaaata acaacaaaaa aaaaaaacag ccaaacaaaa 540  
acccaaataa aaaacaaaac aaaaaacacc aaaacaaaaa acaaaaaact aaaaaaaaac 600  
cacaaaaaac aaaaa 615

<210> 12971  
<211> 585  
<212> DNA  
<213> Aspergillus nidulans  
<400> 12971

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gggttttctca tcaccaacat catgccaccc ccacctcgt accctgtttc tcacactcca 180  
tccaatccac atggaactat tcaatgggcg aacccaaadc caacatccaa tacacacagt 240  
atggctagcc tatccccctt ccttcctctg catcaaccaa aaaaagaadc ttaccaggt 300  
gggcttacc caccaataac acgctcgta aacaaacccc cttcacaacc aactaaatct 360  
cacagtgccg ataaccgtat ttactcttcc catccaggct actataatcc ctaagcttgc 420  
taagcatcct gtgcctcccg cctctcccg tagttaaaaa gtcatgctcc cttactcctt 480  
ttatttcttc tccatttcc ccaaaacaat tctttcttgt gccctaccc ccgccagaa 540  
tttcaaagg gcgagcaadc ctccctctct tgccccccc cattg 585

<210> 12972  
<211> 614  
<212> DNA  
<213> Aspergillus nidulans  
<400> 12972

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taatttatcg taacgcccga tctctcacgg agccgctagc gacctcgaga cgggcttgac 180  
cagaacacgg acagacgggt cgggcacgtt tccaaatcca gagcggcaag cggggcgatt 240  
gattcggtcg gttcgagaat cggtcgactg gtttcgactg gccagaagt atcactaatg 300

cctcgccagt catagcaagc tgttgctgac agctgctggg cagcatgaat caagacttga 360  
 tggcggttcg ttccgtgggt gtccgcctct gtccagagga ggcggagact tgtactgggc 420  
 gggtccggcc aaagtaatcg ctacccccgt atctagatga tcgccgcgta gggcgcattc 480  
 tgggcacagt gtggcgattt ttgggactca cagcaccctg catggggttg tgtagcgtag 540  
 aaacggcagc ttgccgtttt gtccgaggag cggctggcca tgtctttgag gagggccccc 600  
 attaaggcgg ggca 614

<210> 12973  
 <211> 583  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12973

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 tcaagcaggg tgagcgacca cgcttcaatc tcggcgatgt cctctagggg ttggagcagcg 180  
 gtttctgggt cggcatcggg gtctgaagta gggtttcggg ttgcgtcagc gcggtttata 240  
 tgcgtaagtt agtccaatat gttcttgata aagggtgtata gtagatggac aaaccttctt 300  
 taatacacca agaatgaagg aaaacgcata cacagctaac ttgtgcggtg tctcctctcg 360  
 taaccaatgc acaaccatcc gtttcgccaa agtctgaagc agttccttct ctggctctga 420  
 gctactgata agattgctca cccaagccct ttccttccca tcggatatat cagcgatagc 480  
 caccgacttt taactaaact ctgcgccatc cttagcagca ttgctcagaa atgtgcgcgg 540  
 gactcgaga tgctatgtgc ctgcacacct gagagggctc acg 583

<210> 12974  
 <211> 781  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 12974

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accgggggaa aaaaaaaaaa aaaatatatta taaaaaaaaa ataaattanc annnanaaaa 180  
 aaaaaaaggg ggggataaaa aaaaaaaggg gggcctaaaa aaaaaaccnc caaaataaaa 240  
 aaaacacaaa aaaaaaaatc aaaaaaaaaa aacaaaaaaa aaaaaaaaaa aaaacaaaaa 300  
 aaacaaaaca aaaaaaaaaa aaaaaaaaaa caaaaaaaaa taaaaaaaaa aaaaaaaaaag 360  
 aataaacaca aaaaaagaat aaaaaaaaaa aaaaaaaaaa caaaaccaaa aaaaaaaaaa 420  
 aacgaaaaat acaaaaacaa aacaaacaaa aaaatgaaac caaataaaaa aaaaacaaaa 480  
 aaaaaaccaa aaaaaaaaaa gaaaacacaa aagaacaaa aacaacaacg aaacaaaaat 540  
 acaacaaaaa acacaaaaca atatatcaca caataataaa caaaaaaaga agaacaaaca 600  
 aaaaaatata aaaaacacaa aaacaaataa aataataaaa accaaaagaa aaaaaaactc 660  
 aaaaccaata aaaaaaaaaa aaaaacaatg ataaaagaaa aaacaggaaa aaacaacaaa 720  
 taaaaaagta aaaaaaaaaa aaaaaaaaaa cactttaaaa acaaaaacaa aatccaaaaa 780  
 a 781

<210> 12975  
 <211> 124  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12975

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 aacaagaaga atatatagaa aataaataaa caaaaaaaaa cataaaaaat tgtacaagga 120  
 accc 124

<210> 12976  
 <211> 638  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 12976

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<400> 12979

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<212> DNA  
<213> Aspergillus nidulans

<400> 12980

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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 acgtttcgtc ccttccgact cttttgtcgt tctcgcatat accctttcat ttttacaact 240  
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 <212> DNA  
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 <400> 12984

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 <211> 901  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 a 901

<210> 12986  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 12987  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12987

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 12988

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 <212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans

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<223> unsure at all n locations  
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 <213> Aspergillus nidulans

<400> 12992

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 12993

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 <223> unsure at all n locations  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
  
 <223> unsure at all n locations  
 <400> 12995

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aaaacgagct gcgctaagct ttgtgatgag aagaccctta aaacaagcca cgcaagcgaa 300
  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12996

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 ttagaggcga gatggtcacg gacgacgaat accaatcgat ggatgtgcac cagattgctt 540  
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<210> 12997

<211> 603  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12997

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 12998

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 gctgatgcaa ctattaacag gccgaccca tgatcccttc taagggcacg aggagctatt 180  
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 gaaccggaga tccaacattg aggagcagtt attcctgttc ggcagacggt ctggcatttc 480  
 acagcaacgt tcgcttgtat caagtaatga aacctggcga ggcattctgc tacaatgtgt 540



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<210> 12999  
 <211> 677  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
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 ttatacccaa tggaatcggg actgggaacg gtgcctccga acaaagtcgg gccctgggtga 240  
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 aatcacatca acctcgaaca cctncagctg ctttcacccc gtttggtctg ctctgattg 540  
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<210> 13000  
 <211> 996  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13000

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 ttcgcatcct tcaccttccc cacaatgttg tagcgcttgc tgaagaaggt gaaccactcc 420  
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 <212> DNA  
 <213> Aspergillus nidulans  
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 ctttcccccc taccactctt taccctttcc aactcctctt ctccaatctt acacatcctt 300  
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 ctactcctt ctataatcca cttcccttat ttctaaacac taactcccca atcccacctt 600

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<210> 13002  
<211> 604  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 13002

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aatgagagca aaacggcccc caacatggaa gcgggacttc caagcacggc agcagcgcca 240  
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tataagtcta caataacggg aatgttgcca agtaaattga ccgcactgat tgtactatgt 240  
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cggtgacctc aatctatcct attcctctgc ccgcatctgc taacggcgac caaattgtct 360

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<210> 13004  
 <211> 784  
 <212> DNA  
 <213> *Aspergillus nidulans*  
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 gaaaggccga caccgaaccg gacgaaggcc aggaccgaga agccgggatt cagcgcggcg 480  
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 gggaagaagg ataaggacga agaaagccgc cggcaaagca agccagcgaa gggaaccggg 600  
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<210> 13005  
 <211> 634  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13005

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 cgccaaaggg ggttaaacc tctactggag cctt 634

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13006

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gtcgntctct cccctcccc ctcccttctn gcgcnnnnna agccacntgg ctncncccc 780  
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<210> 13007  
 <211> 424  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13007

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 aagacacaca tacaaaacaa aaaaaaaaaa caaatacaaa caaacacaaa aaaaaaaaaa 180  
 acaaaaacaa aaaaaaacaa aaaaacacaa caaacacaaa caaacaagag aggggaaaaa 240  
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 aacaaacaaa aaaacaaaca caaaaaccaa aaaagcaaaa aaaacaaaaa caccaaccaa 360  
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 tgaa 424

<210> 13008  
 <211> 461  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
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 tacccgccac aatgtcgacc acagtggaaa aggtatggac gttcttacca ccttcataag 360  
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gtcttcaact tctattcggg gcgcatattg acatgctctt c 461

<210> 13009  
<211> 564  
<212> DNA  
<213> Aspergillus nidulans

<400> 13009

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<210> 13010  
<211> 769  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 13010

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 aggaaggggt tatatgaact gcatccaggg ccccgagggt ttgntccatt ccttggcctt 660  
 cccttattcc aatatctcac tctatcccct ttttaagggt aaaggcttgt taatttcgg 720  
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<210> 13011  
 <211> 594  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 13011

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 catcccttcc ctctttcttc ctatcttctt catactgtct ctactcatt cacaatttct 480  
 acattctctg cctccccccc tcacctcttc ctcccacttc acctcacctt cctctctctt 540  
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<210> 13012  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 13012

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 gaggaaaaag gaaaggggtt aaggaaagag agggggaggg aaagaagggg ggagtaagaa 420  
 gagggggaga ggaaacacgg gagggaggca tggagaaggg ggggagagga taaaggggga 480  
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<210> 13013  
 <211> 111  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13013

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<210> 13014  
 <211> 632  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13014

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<210> 13015  
 <211> 537  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13015

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<210> 13016  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 13016

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<210> 13017  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 13017

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 ccatttatct tacatatttt ttggccttgg attggaaaag ggattttcaa tcctaaagat 360  
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 aacgaattgg agctttgtta agggttttcg ttgataattg ccgatatttt tattctttac 660  
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<210> 13018  
 <211> 836  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 13018

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<210> 13019  
 <211> 403  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13019

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<210> 13020  
 <211> 572  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13020

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 cactactccc gtatccttct tactttttct ctactctata tcttcttctc cactctctta 480  
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<210> 13021  
 <211> 495  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13021

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 agatgaaatg gctggtaagg gtgtgtggcg ctgctctctt ggaatgaagg attaaggtcc 180  
 gtcagggtcc aagaaagttg ccattacacc gcgtagcata ttgatcatgt acagcgatgg 240  
 tcttcggatt tcagcgtagg tcaagtagg ccatgttttt tgtcgacgca gggttcggag 300  
 caccacacg cctatggact gaccctgtc tggttgccag gattcccagg ataagccact 360  
 gccaaacgct ttttttcttg catgaatggg tcttcaggcg cagggacctg gactagatta 420  
 gtctcgtcag tgcagacact atccgtgtgc tcgcatcaga tacggttacg aacagctgct 480  
 gcgaactggg tgaga 495

<210> 13022  
 <211> 1061  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13022

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 agtcgtaaca tcgaggcaat cctgcatgtt tcatgccctg atggggccgc tgtgttgact 180  
 tgagacgaag ttggatgctg tatccatcca cccaataac ccgccggctc gatagacctg 240  
 taaatcgact tcctgctagg gagctaaacg cgtttattgg atggcatgat acctagatgc 300  
 ccttttctcg aaacagttag cgggtgaaga atcgaaggta accctcctgc gtaccatagt 360  
 ctgccgctgt ggtgcaagac agaagtggat cattgaagtc attgggctat gccttcagc 420  
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 agctacttgc aaaaatgctg gagttcgcaa gtcttcgctt gcagaaactc tgtccacatc 720  
 cagactgggc agctactaca gacagctacc acagacagct accagagcaa ctaccgcaat 780  
 ttctcgtctc tggcgacggg ggcaccgtca aactgcttat tctttcattc tccgccttcg 840  
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 atctttcata cgactacatg catcgttagg ttgcatatct ccgaacacag gcttcagtaa 960  
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<210> 13023  
 <211> 459  
 <212> DNA  
 <213> *Aspergillus nidulans*  
  
 <223> unsure at all n locations  
 <400> 13023

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 aggaaacaaa aaaggaaaga aaaagaaggg agaaagaaga gaaaaagaaa gaaagagagg 180  
 aaaagagaag aaaaaaaaaa aaggggaaaa aagagagagg aaagaagaaa gaaaaaaaaa 240

agaaagaaaa gaaaagaaaa gaaaaaggaa gaaaaaaaga agaaaaggaa aaaaaggaaa 300  
 aaaaaagaag gagaaaaaaa gaagaaaaaa agaaaggggg aaaaaagaaa aggagagaaa 360  
 cagaaaaaaa gagaaaaaaa gagaaagaaa aaagaaaaaa gcggaaaagg agacaacagg 420  
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<210> 13024  
 <211> 434  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 13024

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<210> 13025  
 <211> 506  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 13025

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 aaaaaagaaa agaagaagaa aagaaagagg gaagagaaag aaaaaagaa aaaaagaaaa 180  
 aagaaaaaaa agggaaaaaa aaaagaaaag gaaagaaaaa aaaagaaaga gaaaagaaaa 240  
 gaaaaaaaaa aagaaaaaag aaggaaagaa agagaaaaag aaaaaaaga gaagaaaagc 300  
 aaaaaaaaaa aaaaaaaaaa aaagagagaa aagaaagaga aaggaagaaa agagaaaaga 360  
 aaaaaagaaa gaggaacag caagaaaaaa gagaaaggaa acgaagagaa gaaagacaaa 420

gaaggaaaaa ggagaagaaa aaaaagaaga agggaaaagg aaaaaggaga aaaaagaacg 480  
agagagggga aaaggagaga agaaag 506

<210> 13026  
<211> 503  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 13026

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tgagagagcn ntcctcttan ncatagccnn ngttcagaaa agcctnaatc tagcnngaga 180  
tangnntagt tagggtgggc aggggaggag cccagtgag gacgggctgg gagggagggg 240  
ntggnnnnnn nnnataccna catggctnnc tnnncatttt gcgcaataac atcaccaccc 300  
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tgttcatcta ttagcttcta ccaaaaatct cttctttaac ctaaaccaaa gccaatcttc 420  
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cgcttgctt aaaaaaattg cgc 503

<210> 13027  
<211> 370  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 13027

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ctcgaggatt aggaaaacac aagctgcaac ataacgagaa agctgcttga gaactgacgg 180  
gatgcaaaca taggcaaacc ctatgggtaa aacgtccgca aaaaaatagc aaaaaattat 240  
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gcctatcggt 370



<210> 13028  
 <211> 656  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13028

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gcggttaatc agagtgtgta caggacgat tatccactca acgtgctgtg catagctttg 240
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<210> 13029  
 <211> 490  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all  
 <400> 13029

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cccccccccc ccccccccc ccccccccc ccccncccc ccccccccc ccccccncc 360
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490

<210> 13030  
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<212> DNA  
<213> Aspergillus nidulans

<400> 13030

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catcaaacat tattcgtgta tcgatcgact tttagttcaa gcgccgtctc ggtgtacggc 180  
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tctctgaggt ctttgaggat gatggatgtg acatgcttat tatcgattac acgtggtcag 360  
cgtcggaggt ggtacaatcc ccagggcaca tgataaaaac ctggcgggtat cgcatcaata 420  
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<210> 13031  
<211> 711  
<212> DNA  
<213> Aspergillus nidulans

<400> 13031

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tgccttgagg aggctgtatc ggggtggcct taagcctttt gcccgggatt acattatagg 240  
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<210> 13032  
<211> 469  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 13032

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caaagaaaaa aaaaaaaaaa aaaagaaaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
aaaaaaaaga aaaaaaaaaa aaaaaaaaaa aacagaaaaa aaaaaaaaaag aaaaaaaaaa 300  
aaaaaaaaaaaa aaggaagaag aagagaaaaga agaaagaaac aaaggaagga acaaaaaaaaa 360  
gaaaaaaaag aaacgggaca aaaaaaaaaa agagaggaca acataaaaaa aaaaaaaaaa 420  
aaaaaaagaaa aagaaaaaaa aaaaaaaaga acaagagaaa agaaaaaaa 469

<210> 13033  
<211> 517  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 13033

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aaaaaaaaaaaa aacccccaaa aaaaaaaaaa aaaaaaaaaa aagaaaaaaa aacaaaaaca 180  
aaaaaaaaaaaa aaaagaaaaa aaaaaaacga aacaaaaaaa aaaaaacaaa aaaaaaaaac 240  
gaaaaagaaa aaaaaaaaaa aaaaacaaaa aaaaaaagaa aaaaaaaaaa aaaaaacaaa 300  
aagtaaaaaa aaaacaaaac aaaagaaaaa aaaaaataaa cagaaaaaaa aaaaaaaaaa 360  
gaaaaaaaca aagaaaaaac aaaaaaaaaa aacaaaagaa agaaaaagaa aaaacaccaa 420  
ataaaaaaac gaaacaaaaa aaaataaaaa aaacaaaaaa aagaaaaaaa cgaaaaaaa 480

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517

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<211> 396  
<212> DNA  
<213> Aspergillus nidulans

<400> 13034

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agaaaaccaa aaaagggaaa aaaacaaaga aaagaaaaag acagatcaaa aaaagaacaa 240  
aagcaaaaaa gaaaagaaaa aggaaacaag aaacaaaaa aaaaaaaaaa aagaaaaaaa 300  
aaaagaaaaa ggagaaaaga aaaaagataa ggagagaaag agagagagga acaaagaaaa 360  
aacgaaaaaa aagaaaagag gagaaagaaa caaaag 396

<210> 13035  
<211> 1121  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 13035

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gccaaaattt gattaactct aagctatata taattttttt ttaggcaaaa tctcaatata 420  
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<210> 13036  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 13036

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 taaaacttgg gctgaaatga tagggcctgg tggatgcatg tgtggtgaat gctatgttcc 240  
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 ttacatgtat gttcatttcc tttatattta attttattga tcatataact ctttattttt 540  
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 attatcttct actctctaatt acaagtttat ttcttattac tcgataaaat atatagtttt 660  
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 ttatcaatct ttttcctcat tattatttct ttttcttaat gctgttttaa tctattattc 780  
 ttaataatct caattttcac taacatataa ttatttcttc ttatattatt cttatatcca 840

taattatttta attatcacta atcttcttta tatatcttct taactaatta atatatgttt 900  
 ttatctctct aattaatata ataattgtat gtaataatat gcttctactc ttacagttac 960  
 tctctttatt ctattctttt tgtctaaatt attacatat aatcactatc ttaata 1016

<210> 13037  
 <211> 990  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13037

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 aataccataa ttttaggtat ccgatttctt aaatcttaaa gtagataaga agtctttaaa 180  
 tactgatttc taggcccttt caggcactac gcgggaagga agcttggtgc aattcatatc 240  
 aatttctggt tgcgttggtt tagtgaagaa gttctgatat ctgtttttat cagtcattgt 300  
 ttactctatc ctcaagtgat attcttttct catttttttc ttcatataat ttaattgct 360  
 tatttaaagc gttctattag atctttattg ttttgtttaa ttcttatcac ttccataat 420  
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<210> 13038  
 <211> 448  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13038

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ctgggcaaag gtacttgaaa cagagacaag gtactcctcc ttgttcgaac gatgcaattc 180  
atcaaatac gcggtcagga aaggataaag cacatcacgg cctaccttct cgacgaatgg 240  
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agccacactt aaccgggtaa agaatgcctg cgtctgatgg agcttcacct tctgagtcaa 360  
tgtatcgata cagtcgttag tttagcaag ttcggtttt ctcgtgatta tatgattgtg 420  
atgggtgaat agctcagaag ccgagccc 448

<210> 13039

<211> 966

<212> DNA

<213> *Aspergillus nidulans*

<400> 13039

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aggaaggggc tgagtgtct ccaagtatca cgttcattga tcagcaagtc aatgtttcgg 180  
ccttcttaca aggttcaagc acgcagactt agtgcccgac ataaacaaga ctattgcatt 240  
tcggtggaat gatgaaaata cagttgaaga attagaattc cttatacga acaaattaca 300  
ctccgaatgg tgtggttagc gcatctgatg aagtatcata cagggtacat tcagattctg 360  
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 ttcccc 966

<210> 13040  
 <211> 481  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 13040

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 daaaaaaaaa aaaaaaaaaa aaacacaaaa aaaaaaaaaa aaaaaaaaaa aaaaacaaaa 240  
 aaaaaaaaaa aaaaaaaaaa aaaaacaaaa aaaaaaaaaa acaaaacaaa acacataaaa 300  
 aacaaaaaaa aaaaacaaca acaaaacaaa aaaaacaaaa aaaacaaaaa aaaaataaaa 360  
 aaaaaaaaaa aaacaaaaca aaaaacaaaa aaacacaaaa aaaaacaaaa aaacaaaaca 420  
 caaaacaaaa aaaaaaaaaa acaaaaaaaa acaacacaaa aaaaaataa aacaaaaaac 480  
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<210> 13041  
 <211> 941  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 13041

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 ttctcctatg atgctcccag tatctatgcc accatatgaa cgtgtaatca ttctgtcag 180  
 tccactgttc aaactatcg cagggtgcta actagaacct gtaaagctat caaatgtgta 240  
 cagtgtacca tagaagctaa ggctaggggt tcaactaccg ntatattaca tgggttcctgg 300  
 caattcacia taacacgaaa cgatatcaaa gaagaatgaa cacgccttct tcggatttgg 360



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 cgccggccgg ataatagctt taagaggac atagctattg cttgtatact gaagcgggtga 540  
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<210> 13042  
 <211> 566  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13042

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 tttcctttca ttctacttaa attcttatta acttcctttc ttttttataa cttttttaat 180  
 tttttgctat ttcttttttt ttttcttttt ttcttctact tttttttttt tttcttttta 240  
 tataacatac tattctttcc tcttatctct atctatcttt attttttatt aatcttcttt 300  
 tttattacta atattatatt cttaactttt ctccactta tctccttcta tcttttactt 360  
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<210> 13043  
 <211> 523  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
<400> 13043

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cgcactcctc ccgagcagac ttgcaaagaa ttctcacgc gccctcttcg tccaagtacc 240  
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gcccttcgag gccgcggtgt ccacctcgcg cttcactttg tcctttcgca taccagtaat 360  
ggggtggatt gcgcccgcac cattgctgta cggcaaaatg tgaaggggtgt caagcccggt 420  
ggttatcgcg tcggtggagg acatgcgctg ggagacgagg tctcgaggga ggtattggtn 480  
gatgatcctg ctttgttacc ccttctctt aagctgccta,ttt 523

<210> 13044  
<211> 1000  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 13044  
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ttctgctttg agaagcccgg atccacaaca tagacaatac cgtcaatggg aagcgaagtc 240  
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ggttgaagct caaggaactt acccttttaa gatatttatt ttcccgggga aatgtcaaca 840  
 attggtgttg cacattggtg tggacttttg atggaaattt tacactcaat cactttcttt 900  
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 tatatttttt attcatttta tcattattta tttatttaat 1000

<210> 13045  
 <211> 525  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13045

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 ttcttctttt cttcacctcc tccttccttt cctccccttt tcccctctct tttctcttct 180  
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<210> 13046  
 <211> 582  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13046

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 tcttttactg cttaatcgaa cggcggttagc atgtccagtc ttggaggtaa gtgttcttac 240  
 taatattttc aaagctcaaa cttatgccac ccagactcag aaacgatccg catccttgtc 300  
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aaaagcttcc acgaagggat gtgcctggcg aaacaacatg atgtggatat ggtgcttctg 420  
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 tcaatccgaa tgaactgtct cgggtgataag ccttgtgagc tacaactgct tagtgatgca 540  
 agcgaaaatt tccaaggtgc cttcaccatg tcaactataa ga 582

<210> 13047  
 <211> 537  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13047

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 agtgccggac accatcgtgc tgtctgacgg ttcttcgccc gtgaccgtag ggagttgggt 180  
 gagatgagca ttgtcggcca tgatgacctg ctgcagatt aggtgatggg tattaggtcc 240  
 agtcaatcag atcgattcgt tctgaataaa ttgtttatgc gtggttaggg gagcgtggaa 300  
 gttaagagaa tgtttataat caggcgtgat tattatgtat agcgggtata acaggtgtaa 360  
 gggatatagca agagggtgctg atatgtacaa cagaacaatt aggtattaaa gaaaagaaga 420  
 gtggagaggg tgcagcctta cgcccataga aggacgacga gctcaagaga gatcaacgaa 480  
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<210> 13048  
 <211> 487  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13048

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 gagtaactca ggaacaaacg tgagactgag gggagaatag taatgccagt gttgttcctt 180  
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 gtctccacag gccgccacta agtatctgaa gcatgacgca ctggccgact gcgcttctga 300  
 atctccaatc agccttaaca gcctgatgat tccagaaacc gttgaagaat attgaatatc 360

ggcgagtatt tcaatacacg aatagaatgg tttgagtaga tatttttactc gggttgctaa 420  
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cttgata 487

<210> 13049  
<211> 285  
<212> DNA  
<213> Aspergillus nidulans

<400> 13049

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cggaagagga agaaaggagg agccgccgaa caaaagagac aaccgggcaa gccaaaacgc 180  
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gagagcagcg ggcaagaggc ccagccaag caccgcccgc cgagg 285

<210> 13050  
<211> 964  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 13050

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tagtgaaaaa ggaggaaaag agaagaaaaa aaaaaaagga agaaaaagga aaaaaaatg 180  
agagaaagat aaaaaaaga aaggaaaagg aaagaaaaa aaagagaaag aaaggaaaga 240  
aaaaaaagaa aaaagggaaa aagaagagaa ggaagaagaa tagaagaaaa taaaaggaaa 300  
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agagaagaaa gggttaggaa agaaagagga aaaaagaaaa aaagaaatgg ggaaaagagg 420  
ggaataagaa aaaataaaaa aggaaggaaa aaaggaaaaa aaaaaggaaa agagaagaat 480  
aaaaaagaaa aaaaaaatg aaaaagaaat gaaagagaga agaaaaagag aggaaatgag 540  
aaaaggggaa aaaaaaaaaa aaaaagaaa aaaaaggaga agagatatataa ggaaaaaaaa 600

aaaggaaaaa aaggaaaaag gagaaaaag attagaaaga ggggaaaaaa aagaaaagaa 660  
 aaagagaaaa aaaaagggaag agaggagagg aaaaggaaaa aggaaaaata aaaaagaaa 720  
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 gagagaggaa aagaaaaaaa gaagggaag gagggaaaaa atatagaaag aggaaaaagg 840  
 ggaaagaaag gtaaagagaa aaaaaaaaa aaaaaataaa gaaaaaaaag gaaaaataa 900  
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<210> 13051  
 <211> 464  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13051

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 tgccgagttg aaggaactcc tatcccagcg ggtgaacctc ggggtcagcg aacggtatct 420  
 cacttccggg cgggttgata ttgaggcgtt gctacgtgag gagg 464

<210> 13052  
 <211> 1044  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13052

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 ttttatataa ttttttatct tattttctat tttctttctt acttctttta tctatttttt 960  
 catttttctt tccttccttt tctttaatat attctctttc ttttcctaag tctattttta 1020  
 ttatacttta tcattacaca tacc 1044

<210> 13053  
 <211> 869  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13053

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 caagggtgag ggaattattc gatttcctgt tctcgccaag aacatgaaag caacgacagc 180  
 acgacaaaaa tagaaattga gaggggcaga attctccgca ccggaagac ccagagtatc 240  
 gctgcttaga gactccagta cggcgtacta ctgtacactg ggtcccacgg ccgngaagag 300  
 ccgcttgggc gggctggcaa ttagcatggc agtcatgctc attaagcagc cggctcggtg 360  
 tttctacgtt acaaggagct tattcggata acactcctga aatggaatgg aatcccagct 420  
 gcgttggtgaa ccggaaegct tcaattagcc gggttatgtc tttaagaaga aaatccaact 480  
 gcaccgttcc tttgtagcg ctctgccggc gcgacggaag cctcccggaac tagggccaat 540

acccaacgcc tcttccccca ttgcttacct ttggactgtg acgcaccaac ctttattggc 600  
 ctttattcag cgggaaaggt taccaccccg agtggactgt cctccggaaa cctgccaaca 660  
 ggggtttaag cctcttagtc taagtcaaga accgactgcc cccttgacgt caccatttct 720  
 tttaggctcc cacttcttaa attacccctt ggggttaccc ataaaatgtc attctcccct 780  
 cacgtcccat tacaactcct ttttactct ctccttcaca cattctttac ctcttcccct 840  
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<210> 13054  
 <211> 700  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13054

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 ttctgctgac ttctcgcaga atcaagaatc ctcttgacga cctgactgag gctcaggtgc 180  
 tccgcgacgt cgaggagttt gccgcgaac atgacctgac cgatctcctt ccaaattctac 240  
 gcaaaggggc cctgatcgct cgggattcgg agaattatag atctgtccct ggaatcacc 300  
 ctcaggatat ccgtgctatc caggacgaaa ccgaccacaa atggcgctcag cctcgtgcac 360  
 tctactttac catcattctc tgctccatag gagctgccgt tcagtaagtc catcctgcat 420  
 ttccgcctag gtaagcaaag ctaacagtca acaggggctg gaccaaacgg ggagcaatgg 480  
 tattaatcta ctttattatg atacgaaccc ccctaacagg gtcccttagg ggctaacct 540  
 agcatgccct ctgctctggg aatccccacg aaggataacc caaacgccac actgaaccag 600  
 tggtcattg gcattatcaa tgcgtaagtg ccttaacaga tcgaaggacg gcgtacttgg 660  
 cttacatttc aaagcggccc ttacattggt agcgctcttt 700

<210> 13055  
 <211> 120  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13055

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gtctcttcca ttaatgccaa tagctttagt gatcagcagg tgagtggcta cacgagtacg 120

<210> 13056  
<211> 626  
<212> DNA  
<213> Aspergillus nidulans

<400> 13056

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aggagaggcc aagaatccgg atcaagatcc ctagagcgga gccaagctca taaccgtggg 180  
ttatcgaagc cgctactcga gttgcacgaa ctatcgtggt tactagtatc gattttagcc 240  
aggtgaccga agtttgcaac gaaacttgta tgcaggggct gtagtagagt tatatagtgt 300  
gggtatggag gcctctacta ggtctgtgat caggcggtca gaggccgtcc ttacgtgttc 360  
atattccgca ctcatatttg gccgagcgct cattggttgc aggccaagca catattttga 420  
agaacttgga cgatgggtctt actatagact gaccaagtga aaaagtcaat tggaccttta 480  
actctccgtc tgtattggct gaacatcaag gtctatgtcc cctgtgtaat tatttttccg 540  
aacctgcacc gtacataacc ctttctaate ctttctcagt cattgatatt tgagatttat 600  
ggtcggttga aacatggcga tcccct 626

<210> 13057  
<211> 798  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 13057

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aaaaacccgg nggattaaan aaaaaanaat taaanataaa aaaaaaaagt aataaaagaa 180  
gaaagaaaaa aaaaaaaaag cgaatattaa aaaaaaaaaa agggataaaa aaaaaaagca 240  
aacataaaaa aaaataaaaa aaataaaata aataaaaagg aaaagaaaac aaaaaaaaaa 300  
aaaaaaaaa aaaaaaaaaa aaaaaagata aaaaaaaaac aaaaaaaaaa aaaaaaaaaa 360

aaaggtaaat acaaatataa ataaaaataa agaaaaaaaa aaaaaatata aaacaaagta 420  
 agaaaaaaaa aaaaaataaa taaaaaaata agagaaataa aaaaagaaaa aaaaaaaaaag 480  
 aaaaaaaaaa gagcacaaaa ataaaaaaaa ttaaaaaaaa aaaaaaagaa aaagaaaata 540  
 aataaattat aaaagtaaac aaaaaaataa tacaacaaac agataaaca aaaaaaaaaag 600  
 aaatataaaa aaataaaata aaagagaaag aaaaaaagaa agaaaaaaaa tataagaaaa 660  
 aaagaaaaaa aaaaataaaa tgaaaaaaaa aaatataaaa agtaaaaaaaaa aaaaaaagaa 720  
 aaaaaaatat aaaaaaaaaa aaaaaaaaaa tgataaaca taaaataaaa aaaaaataa 780  
 aattaaaata caaaataa 798

<210> 13058  
 <211> 547  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13058

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 cacgtgaact cgatggctaa gaccggcagg ggagcaacc actggatggg atcttgcaaa 180  
 atgggtcccg atgacggacg tgacggaggt tccagtgttg tcgaccttaa tacgaagggtg 240  
 tacggtatgg ataacctgtt tgtggctgat gctagtatct tccctggat gatcagcacg 300  
 aatccctcgg cttatatcac cgctgttgcg gagcgagccg cggagaggat ccttgcatgtg 360  
 caagggtaga cgacagggtta atcaggctgt ttgcaaagtt ggttgagttt ttgtctaata 420  
 gagagtttgc tcggacgttc ctcttcaatc acagttcact ttccttcata aatggcccag 480  
 gttggaggca cacatgcttt tgctcgacgt atgcaccatt acctaaataa ctgcgctaga 540  
 ttgtctc 547

<210> 13059  
 <211> 478  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13059

ccaactgcag ccaggagtg atgttgaaga tgaaatctcc cgtatacaac caacagtggc 60

cccagagcaa caacaatagc agctacatct gcttgtatTT cagatatagc cttttcaccg 120  
ttaacaaccc atccagaatc gaggcctgga atcccaacag ccagctcttc cactaatctg 180  
agggcgTcca ggtaccgggt accggttaca ggcccctatg aaactcttgt atttccattg 240  
accccggcga acacttcttc gcagtcagaa tttccagctg cgagctcggt caatcatctg 300  
aaggttcaca gtctccagtc gctgccttca cgcacttttg aatatgatgt tttccatcga 360  
gccttgcaaa cccttatgcg ccgataccaa cgcgtgcggt caatcttctt gtagcccta 420  
ccgatccagg gcttcttgac ggactggcac tctcagcagc tgatctgaga gttttcgt 478

<210> 13060  
<211> 913  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 13060

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ctggacttgt tgatgaagat tgtgacggaa cagagatcgg cggattgggc acccatgaga 180  
gctgaacctc gccgactgag ggaatattgc gggggccaaa catgaatttt tcggcttggt 240  
agcgctcctt gaaggagaca atgagagagt tttcgtcggt cgggttgggg gttatggatt 300  
catattcgct gacgccctga attcgttagt tagatttaca aatgttccca gtactcaggt 360  
tcagaagcat atgaaaaagg ggaaaggagt ggatgggaag ttctagacat acaatgagaa 420  
actgccagaa ccgcttattc tgctcagaat gcggtttaat gccagagcca gcaatgcggt 480  
tgggcgTtga tgggctcagg cgctcccg ctcggtgagg gtaccactt tccctgttag 540  
gaccgcggga gttggtctaa cctggcccgg atgggttccg ccatgcgagc ctttctacg 600  
tgaccatgcc gttcaaaaaa ggtgttgtaa taaggTTTT ttccttaaaa taattctctc 660  
ttgttttggt tccctctctt gttggtcttg aatttctata ttcctttaa cttctttttt 720  
tgtttattta cttcttcca ctttttttat tcttcttat cttacttat cttttttatt 780  
ttcttttttt ctcttttttt tttctttctt ttattattta ctctttattc tttcttcttt 840  
ttcttttttt ctttttanta tctattttta tttctctttt tttcattctc cttcctcttt 900  
ttcatattgt ata 913

<210> 13061  
 <211> 304  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13061

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ttttgcctac caacccccct tttgggttgg ccttaatttt aaccatgtca aaaccggcca 120
aggccctcca gatcccaaaa caattttcaa caaccgaatc gctcgcagat atagtagcaa 180
gggtacagag cccttcgcct taccgctctt caacgcagtc ccgaagcatt cacttcgacc 240
tacgccccgcg aagcccagtt cgacgacaag acctggacaa ttcgcgtctt gaatccacta 300
gcaa 304
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<210> 13062  
 <211> 452  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13062

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atactagctg gttccgggcg gtggctgggg accgctcgcc tgggcgggtg gatgctcttt 120
gcagggggcc aatccatgct tgttttcagt ctacttacag tgtagegact actcatcgtg 180
ctacgtaacg cacttgatct atgggccttg caatatcttc tcgtgcctca gccgtttaaa 240
cacacaatcc ttgtgctgaa ggctgacaac ataaacatgc tgcacctggc actttaaata 300
atgctgatgc ttcttatgat gctgatacta cacaccttcc taaggagacg caccatgtgg 360
cttcttgac tgggcaatgg tagcaactac atgctacgca ggatacttga gctatcgctc 420
tgtataggga cttatgacac gcttgattag ac 452
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<210> 13063  
 <211> 406  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 13063

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 aaatctcccc cgacatgagg tactgaccta tcaagacagg ggttgagcac gactgtcagc 180  
 acattctgga tagcggcggtt acagtcaatg tacatgcgga tactagatga cagagctat 240  
 ggagcctncg tatagttgta tcgcgacccg tggatcatta cggcattatg gaggtcttca 300  
 ccattggcat gcatctgagt gcccggtgc tgatggacgc tgctcatgag gcgtacgagg 360  
 atctgctcca atgatgatac tggaacatgc gcggcctaca gctgac 406

<210> 13064  
 <211> 516  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13064  
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 ccgaaactta caagactttc cttcgtcgtt gaagatactt gaatatgcgg atcggagtca 180  
 tgcccttgccc actatacaga gcgagttaat tggcgtttgg attggttcag ggcggaacta 240  
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 gccaaacttt agacctttta ttttatgagc ccctgctcac tatatcaaga gagttaccga 360  
 gcaattcagc atcttttctc ataatatcat ttgactgttt tcttctacta atgatcaact 420  
 tgattaaacc aagcactggt actctactag gatctcaaca tatgtgctct gaacaattca 480  
 gctgtgctat gaagcctccc taaccgtgga cgtcaa 516

<210> 13065  
 <211> 957  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 13065

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 aaaaaaaaa anaaanaaaa aaagaaaaaa aaacaaacaa aaacaaaaca aaaaaaaaaa 120  
 aaaaaaccaa aaaaaaaaaac aaaaaccaa aacaaaaaaa gaaaaaaaaa caaaacaaac 180

aaaaaacaaa aaaaaaaaca aaaaaacaaa caaacaaaaa caaacaaaaa aaaaacaaaa 240  
aaaaaaaaca acccaaaaaa aaaagaaaaa acaaaaaaaa aaaaaaaaaa caaaaaagaa 300  
caaaacaaac caaaaacaaa aaaaaaaaaa agaaacaaaa aaaaaaaaaa aaaaaaaaaa 360  
acaacaaaaa aaaaaaaaaa aaaaaacaac aacaacaac caaaaacaaa aaaaaaaaaac 420  
aacacagaga aaaaaaaaaa aaaaaaaca aaaaaaaaaa aaaacaaaaa aaagcaaaaa 480  
agaacaaaaa aaaaacaaaa aaaaaacaga accaacaaaa aacaaaaaaa aaaaaaaaaac 540  
ccccaaaaaa acaaaaaaca aaaaacaaca acaaaaaaaa aaaagaagaa aaaaaaaaaa 600  
caaaaaaaa gaaaaaaaca aaaaaacccc ccacaaaaaa aaaaaaaaca aaaccaaaaa 660  
gaaaaaaa caaacaaaaa aaaaacacga cacaagaaaa aaaaaaagaa gaaaaaaa 720  
aacaaaaaaa aacaacgaca aaaaaaaaaa aaaaaacaaa aacaacacaa acgaacaaaa 780  
cacaacaaa accacacaac acaaaaaaaa acaaaacaaa aacaaaacaa aaaaaaaaaac 840  
aaaaaacaac aagaaaaaaa aaaaaaaaaa aaaaacaaaa caaaaaaaa caaaaaaaca 900  
aacaaaggca aaacaacaaa aaacgaaaa caaaaaccaa aaaaaaaaaa aaaaaa 957

<210> 13066  
<211> 502  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 13066

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agccctgccc ggattagtag gggatctttg acgaagaagt cttgcttacc ttcaccctcg 180  
ctgccgggccc tccatatcca aggttcttgc ctcgggatac cgtccagagt ggaattttgt 240  
gtttgttgca gatcttcagg atagcctgga tgtgctcaac agtgaccggg aataatgtgg 300  
cagagcttcc acgcttctcc tgcctcatgc tctgctctgc gtacggatct atatagcgca 360  
cggngtgctc gtggccgcac aggactccct cgtcgccaag gatggatcgg aactgctgca 420  
gcacgtcggc ccaggtcggc gcgtcgagcc cggcgggaga atattgactg ttggtgactt 480  
ggatgccgtt ccacccatgt gg 502

<210> 13067  
 <211> 799  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13067

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aaataaaaaa aaaataaaaaa ataaaaaaaaa aaaaaaaaata aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaanaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaagaaaaa aaaaaaaaaa tnaaaaaaat 300
aaaaaaaaat aaaaaaaaaa aaaaaaaaaa ttataaaaaa aaaaaaaaaa aaaaaaaaaa 360
tataaaaaan taaaaaaaaa aaaaaaaaaa ttataaaaaa agataaaaaa aaaaaaaaaa 420
naaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaaaaaaa taaaaaaaat aaaattaaaa 480
taaaaaaaaa ataaaaaaaaa aaaaaataaa aaaaaaataa aaagaaaaaa ataaaaataa 540
aaaaaaaaaa aaaaaanaaa taaaaaaaaa aaaagaaaaa gaaaaaaaga aagaaaaagg 600
aagaaaaaaa aaaaaaggta agaagaagaa aaataaaggg aagaaaaaaa aaagagagaa 660
aaaaaaaaat aaaagaaaag aagggaaaaa agaaaaagga gaagaaaaaa gaaaaaaaaa 720
gagaaagaaa aaaagaaaga taaaagaaaa aaagagaaga aaaaaaagaa aagaaatgag 780
gagaaaaaaa aaaaaaaaaa 799

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<210> 13068  
 <211> 496  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13068

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aatatctctt atccgattgc ggtgttcctc acgctgagtt ctagccaatt ggcaaatgaa 180
aatgcaaagg gattgttgaa ttgccagtaa cgtgttttca agtttaccag aaagtgagtc 240
acccatatgg accgtactcc actggcatgc atttcctaga ccacgtatcc tgtccccctt 300

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tttgacgccg ggttactggt gcctggtctt ttgacaggtc aatccgcgaa atttctgact 360  
gcagcattgc cacaccaaag ccgggaggag ccgagtgtga tgggtgcggt tcgtcagtgg 420  
ctattatcat atttgtttgt tttcctttcc tactgccttt tcaagggttca caagctagtt 480  
cgagactatt taacga 496

<210> 13069  
<211> 948  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 13069

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ataaaaaaaa aaaaattaaa taaaaaaaaa ataaaaataa taaaaaaaaa ataaatatta 180  
aaaaaataaa aaaaaaaaaa aaaaaataaa aaataaaaaa aaaaaaaaaat aaataaaaaa 240  
aaaaaaaaat aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa aaaaaatata 300  
aaaaaaaaaa aaaaaaaaaat tatataaatn aaaaaataa aataaaaaat aaataaaaaa 360  
aaaaaaaaaa ataaaaaaat aaaaaaaaaa atatgaaaaa ataaataatt aaaaaaaaaa 420  
tataaaataa aaaaataaaa aataatanaa aaaaagaaaa aaaaatataa taaaaaaaaa 480  
aaaataaaaa aaataaaaaa aaaaaaaaaa atataataaa aaaataaana aaaaaaataa 540  
aaaaaaatat ataaaaaaa aaaaaaaaaa aaantataat aataaaaaaa taaaaaaaaa 600  
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aaaaataaaa aaaaataaaa attaataaaa aaaaaataa aaaaaaaaaa aaaaataaaa 720  
aaaaataaat aaaaaataaa ataaaaaaa aaaaaataa aaataaaaaa aaattaaaaa 780  
aaaaaattga aaaaaaaaga gaagagaaaa ataataaaa gaatagaaag aaaaaaaaga 840  
gaaaaaaaaa aagaagaaaa aagaagaaga aaaaaagta tagaaaaaaaa aaataaataa 900  
aaaaaagggt gtaaaaagaa aataaaaaag taaaaaaaaa aaaagaaa 948

<210> 13070  
<211> 885  
<212> DNA



<213> Aspergillus nidulans

<400> 13070

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acacccacaca tcccaaccc ccaacccac ccccccccc acccgaccc ccacccacc 180  
ctcccccccc cccccaacc cccccaccac ccaccgaccc cccccccca cccaccccc 240  
ccccgcgccc accccccccc ccgcccacc cacacgcact ccaccccca ccccccccc 300  
acgaccccc ccccccccc gccccacgcc cccccccacc ccaccccca cccccacca 360  
caccctccca cacaagcccc cccccccctg cacacagcaa ccacccacc cccaacccc 420  
ctccccccac cacacccta cccccaaccc caaccacac cccacccac ccctaccac 480  
ccccacacc cccccaccac cccaccccc gcacacagcc cccccacc ccaacccccg 540  
cccccccc acaccaacac ataccccc ccaacctcac accacacccc ccaccacccc 600  
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accacacccc cagcccacc cccacagaca ccccccccc ccctacacac ccacccacc 720  
ccgcacacac caactccacc ccgacccac caccaccaac caccgcccac caccatcac 780  
cacccccacat caccacacc accaccccc ccgaccccc ccagcccacc ccacctccc 840  
ccaccccccac gccccacca cccaccctc cccaccccc cccc 885

<210> 13071

<211> 561

<212> DNA

<213> Aspergillus nidulans

<400> 13071

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cgggatcgat gtggaaggty tgatggagaa tgaggacta ggtatggaag gaggcattgg 180  
tgagggcagc ggagaccggc cgcgctcgga gatttcggtg cttgaagatt ccgcgccagg 240  
agacgtagct gccctccagc caaagaagga actgattttg ctcccggty ttttgggctg 300  
ccgggggtcg tccccccac tggacatact ccgcgcatta gaatcaatgt gcagaggtgg 360

tggcctgttc gttggcgggt gcaaggccat ggttgcggcg cgttttagt ttaatcggaa 420  
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<210> 13072  
 <211> 747  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13072

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 gcttcaagac cattatccgt tctgctctgc agcgtcgcta atatattagt gtcttgcctt 180  
 gctgttgtca ggtatattcg accatatatt aattacatgt agtgaaagac tccgagtctg 240  
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 ctgatgacga gtcttcgtgg taaggattgt tcttggttac gaagtcgtcc ccctcgaaat 360  
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 tatgtaatca cgaatgcttg attcgactga acggccttca gagaccacag agaccacaga 480  
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 atttttatta tcataattgc atatttgcatt taagtgaac acggggggcc gggctcaggg 660  
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<210> 13073  
 <211> 418  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13073

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actagaggaa taatagaatg cagggctgga gccggggatg ccgatgctaa aacgcgcatg 180  
gcacgagtaa cgtactatgt aggtcatat gagtcgtaga agccatcatt taaaatgccg 240  
ccatgattta agacgatcaa gcttgacacg ctaaattgta acccagtgtc tcaccatatg 300  
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<210> 13074  
<211> 914  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 13074

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tggagaaata ataggaaatg gattaagata tactagaagg atgaatgaag aaaagagaaa 180  
gtgataaaga gagaaaatga gtgaggaaga attataaggt atggaaataa gattacggag 240  
gaatacagat aaggggagaga gtgtatatgg gataaaggtt agggagaaga aaggagtaat 300  
ataaggggga agaaagcaga tgtagcgtag agagggaaag aggaataagt aggggaagagg 360  
gttagggat atgaacaaga gtaaaattca aaaaacctag agcgaccata agagtgcata 420  
cggaaactat aaaaaactgg gtcttgtgga gatccgaccg ggtatcccaa taaagggcgt 480  
ggtgttttta ctagaatgga ccaaaacaac ccccggtg tttattgacc gcggccacaa 540  
tggttaagtac tccatcattc gtttgccttg tttcttctga cattcgaaaa acattccctg 600  
ccatctgtat gaacgtggga ccgatgatca acgggtacct gaagaatgag ctacggggct 660  
cgggcatggt ggtctggacg ggggaagagaa atgcatgctg ctggcaagtt agatgatgaa 720  
ggactagtgg acttgatctc tagagggtat gtggaaagcg agtcttctaa gtcttgtaac 780  
taacgtccaa agggcaccat cggtagggca ctgtaatacg atgggcacag ccttgacaat 840  
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ttatcgcgaa cgcg 914

<210> 13075  
<211> 155  
<212> DNA

<213> Aspergillus nidulans

<400> 13075

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caactggtat gagtctgatt gccagctcag gtcgc 155

<210> 13076

<211> 813

<212> DNA

<213> Aspergillus nidulans

<400> 13076

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tgtcaaagcg acacttcctt tgtcacctgc tgaagaggat gtcactttgc tctgctgggc 180  
cctgtccaag cagacaagct cccttaaaga agaagtgatt gaagtccttg tcgctggcgg 240  
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tcaatcgctc atatctcaaa gcacgccccct ccagctagcc atcttgagcg ctcgtaaaaa 360  
tactattacg gccctcctgc gattcggtgc agaccctct cttgagtoga acggaatttc 420  
cccgttttcc ctgcgcgcgt ccattggaga tgctaagatt gtccgtcagt tagttaaagc 480  
gggcgcgcgt cccggcgatg gggccctcca cgaagcagcc aggatggtea atgttagcgt 540  
cttgcaggte ttgttaattg aagggaaaca gcgagactat ccatgttccc ggggtccaagg 600  
gcgtacggcg ctggcagaac tgtgtcttag agccgcaaat aaacctgtta gtcagatcaa 660  
agctgctggt gcccttttga agaacaacgg ggatgtcaaa ccgaaatcga gaggaaaatc 720  
agtgctacac tttgcgcttg ataaccceaa tgctatactc gtcactcaag ctgtcctaga 780  
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<210> 13077

<211> 701

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 13077

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tttaaaattc accttacttc tttttcttct tttttcttta tttcatttat attatttatt 180  
tcttctatct atctctatct ttcattacaa atccagacat agctctttct ttatttgtct 240  
ttttttaatc ctattaaaat tgtgacttgg attccggtgg ctacaaatta tatatatgta 300  
ttatctcttc ctaaaattct ttttttgcct accgcccttt aattttttaca attttttttc 360  
ataaaccttc atttatccta agtctttttac caaatctctc ttaattcttt ttacctatt 420  
tcaaacactt ttcacctttc tagttatata aatcctccca aacacttttg tncctacttt 480  
tcatcaatct attctatcct ctatcaaatt ttcaatgggt tgttcccatt gcccatactt 540  
atctttctct acttactaaa ttccataatc gccnnnaacc cgtccttaat gttatccatt 600  
aaaactcttt tcttttttat cttttatatt taccttctct attataatct ttttctcttt 660  
tactaagttc ctcattaaaa ggaccataat cctctatgcc t 701

<210> 13078  
<211> 114  
<212> DNA  
<213> Aspergillus nidulans

<400> 13078

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<210> 13079  
<211> 815  
<212> DNA  
<213> Aspergillus nidulans

<400> 13079

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tactgccctg aattttcggg gagttgtata ccactgagac ctaataataa taatcagttg 180  
gttagtaaca tattgccatc cctggctttc ttcttataaa ccctaaatac aatattaagc 240  
agcaaagctc gttcctctc tcctactttg aataatctgt taatgggttag aatcccttta 300

tatttccct tttctgcttg tcatcccgtc ttcttcagag ttcccttgat cctctgcact 360  
gtccttctct cctcccttac ctgcgagaat attctgccta ccgcatacac ttcccccaac 420  
tccaaccag tcacactctc gtatacatta gctttgggta aggccttcttg gccggtaccg 480  
cactgtcttg tactttcgtg aatattacgc cccaatttac aagtggtgaa tagtccacac 540  
agaatttcta gaaataggcg cttcggccgt cgacatggtg catgcaacta ctcatcctta 600  
aatcgatcag tagaacataa ctttcatggt gctataattt ccgtttggga cacgtgtggt 660  
agccatggtc cagggtccgta gcacatagat aacgatcaca gataataccc tctactttta 720  
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tttccctcc ccattaaggg cttttttttg gccc 815

<210> 13080  
<211> 1474  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 13080

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cacgggttc gccccgaac tcatccaacg attccttgaa acgccattcc cgctacacct 180  
accgtcattt ccagcttctc cgacaagcgt cccctgcctc gccgctccgc gtaatagcac 240  
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agaggccgct tgccgttcag cagtgggact cgctcatcgc gatcaactat ccggcgcgca 360  
aattcggcat tacgcggatg atcagcgcga aggaggcgaa ggctaagtgc gcggatattg 420  
tccttcagca tggtgctaca ttctgagagg gcgagggcgg caagtgggcg tatagagagg 480  
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cattgatact agggaccttc aaaggagagt tgtacgggtc gcttgccgag cttagcgtcc 600  
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gcagatcttc cgatcttttt ttacccccct tcctccaaga tttaaccct tccgggataa 720  
cacgcaaccg gaccaaacc ctagttgcaa tataatgccc gccctgggcc cccaccacac 780  
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tttccccgcg ttgttttgtc actcgcttct tctctttttt tttcctcccc tctacgcagc 900  
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<210> 13081  
 <211> 966  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13081

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 gatcaggtgc accaagtgtt cgaccggatt ccagtagcca ttaatcttga agccagatat 180  
 ctggccact ctgactgaca tcgtacggaa gatatcaggg tgcatatgca gcgtctcgtc 240  
 caatatatgc tcacagacga gcttcgcctc agcatacccc atcggcaggg ctgattccgc 300  
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 ggagacggaa gagacgaact ggaaccgcac tttcccggtg tctgaatgcc gccgattagc 420  
 gcaatcgcg cagaggtcga taagatttct catcgttttg aattggggct cgaagccacg 480  
 caccgggcgc gtcattgtca ttgccaggc gttgtgaacg acgtccgtga cgggtgttgac 540  
 gaggtgttgg tatctctttg gcgacgaggc ctattacttg gtggttgggg acacggatat 600  
 aatcatcgt gtccttgggt aatatagtct acgtaaaatc agactgatga ttccttatca 660  
 taggtttttg gttttatgct tatcttcata attctacctg ttaggtgta tttcctattt 720

catgtacact cactggacat agaagttatc tttgcatgta tttctaactct gtatttttatt 780  
 cgtttgctgg tccttactgt ctccctcggtt attgtgagtt cacctttcgt ctatctcttc 840  
 ctttgcataat tatgcatctt gttctttact atgtgtcaag atctttaccc atgactaatg 900  
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 ctatta 966

<210> 13082  
 <211> 885  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 13082

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 ttctttttaca gaacagaaat tgcccaaatt atcttctaca acgctaaaat ggacgcttca 180  
 gagaatcaag cgcaagcgca acaacaaagt gaatactttc ctttcctcag agctgccatc 240  
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 tcctattcat tcccttttagc cccacaaaaa ccgacatacc agaatggagt ccgaacgaac 360  
 ggccgcgctt tcaactcccc caactggcga gtgaagcgtg aggaaagccc ctcgggctct 420  
 cgttcgcccta gtcaagacac ccagaacgga tcacctagaa gaacgcccgg atttggccgt 480  
 cagaaccggt gaagtgccac aagcgatttc cgaggacga agactgtatg tcggaacatg 540  
 ccgtacacgg caaaaatgga agatgtgcan gaattgttca cgaggggtggg tttgaaggga 600  
 atgttttgga atccattatt tgcttggttc ggattttcgt accaaagagg gggatgggtg 660  
 tttttttaaa accatgggtgg tacagggtcc cattgcattt aaatgaccct ttttcggcga 720  
 aaccatttta ttggtttgcc ttttaataaa actcttttgc ccatgtttca ctaacgagcg 780  
 atttttgtgg tcgtaaaaat attctgggtt taaagcgtg agtccctcct cactatttaa 840  
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<210> 13083  
 <211> 782  
 <212> DNA



<213> Aspergillus nidulans

<400> 13083

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aggaaaaaaa aaaaaagaag agaaaaaaat tataaatTTTt aagaaaaaga gaaaaaaaaa 180  
gggagagggg gaaattaaaa aaagaaagaa gaaaaaacaa tagaaaagaa gaaaaaaaaa 240  
aaaaagaaaa gaaagaaaga aaagaaagaa aaaaaaggag agagaaaaaa aaaaaaaga 300  
gaaaaagtaa aaaaagaaaa aaagaaaaaa tgaaggaaaa aagaaaataa gaaaaaaaaa 360  
aaaaaaaaa aaaaaaaaaa gaaaaatgaa aaaaaaaaga aagagaaaaa aaagaaaaaa 420  
aaaaaaagaa aaaaagagac gaagaaaaaa aaaggtgaaa gggagaaaaa gacaaaacag 480  
aagaaaaaag tgaagaaat aataagagaa gaaaaaaaag aagaaaggaa gaaaaagaag 540  
aaaaatggaa agtaacaata aagaaaatca aaagaaaact aaaaaatagg aaaaaaaaag 600  
aactaaaaaa acgaagagaa aaatagaata aaggagaaat agaaagaaag aaagggaaaa 660  
aaaatgacaa aagagagaag aataacaaag aaaagaagca gaaagaaaaa tacacaaaga 720  
aacaaaaacg aaaaaaggaa gaaatagtgg acaaagggaa ataaaaacat aacagtaaag 780  
ag 782

<210> 13084

<211> 112

<212> DNA

<213> Aspergillus nidulans

<400> 13084

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<210> 13085

<211> 127

<212> DNA

<213> Aspergillus nidulans

<400> 13085

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aaaaagaaaa aaagaccgaa ccaggggaaa tgcgggaaaa gacggacaac acggaaagag 120  
aggcaac 127

<210> 13086  
<211> 283  
<212> DNA  
<213> *Aspergillus nidulans*

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accttacggg tgggtattcc aggcccccat tttttaccga gccgggaacc cgtttgcccg 180  
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accgggtaaa agtagttttg gcattttttc cgaaaagggt gag 283

<210> 13087  
<211> 284  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 13087  
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ctcagagcat ttaataagat cgtccagcag gagtggagtg atatagatct aattagcgcg 120  
ggatcaatac tactcgaagg agtagctatg gcattcgctt gaatcagga gataactgat 180  
ggctgcgaag acccagagtg catgggatga ttagaggac tgtctttcga cggcgttcta 240  
gcatgccagg tagaatgcat gcttatcaca aaatttgaga atag 284

<210> 13088  
<211> 461  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 13088  
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gcgaacagcc gacctccctt cgcttttctt cccccgtgt ccattgtaaa ggataagcgg 180

gaacgcacgc acgtcgtcat agaacacttc gtccacacca ggcttgcacc tcgtgctgaa 240  
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<210> 13089  
 <211> 531  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13089

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 ccgtcgtccg cgattccacg accgagtcgg gtcatacagg tagccgtgat agtgaacggg 180  
 gaccatatcc cctgggttttg gatagtctac gccattacca ggacggataa tatctatgat 240  
 aaagtcaatg atccccattt tgtggaatag acaaaacgta tgtagaataa aagagatgaa 300  
 gttaatccga agtgcgtctt tgcttcaggc caaagtctaa aaatacaccg cctgcccttt 360  
 caccctaat cgctgaatgt gcacaaactc tcagggtgtc ctttcatgca ccagttctgc 420  
 aatactctat cagatgcagt tgatgcctta ataactgtaa tctctcttac atattgggac 480  
 tatcagttaa atctattgtc tttgcctggt gaaaatctta gcgcagaaga c 531

<210> 13090  
 <211> 490  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13090

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 aaagctcgat ggggtgatat gtttgactca ccaggagtgt tcgttgccca cccatgctcg 180  
 aagagaagct caaagagtgg gatctgcgct tctaacgggg aggagagaac atgttccggc 240  
 gttctccgaa taataggagc accggaagcc aaaagatagc gcgcaacgtc agggttgcct 300

gctttcaaag caaggcaaag accatgatgg agaaaagcag gagtagatgt gcaggtttca 360  
gaggataggg tggactgtac ggtagcaaga caacccttac ggcaggcgga ttcgaaggcg 420  
ttgtagtaga caggtgggtgg cccgagaaac ctgggggttct taatgataaa ggcctgggca 480  
gttgatctt 490

<210> 13091  
<211> 646  
<212> DNA  
<213> Aspergillus nidulans  
<400> 13091

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gatactgctc gaagctggca gaaatcatcg aacaaaggcc tcgtcagtat cgctgtttt 180  
tgtgtagac ccgaccaaag accgctgttt gcattacgag gagattgatc accactctcc 240  
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ggttagaaac ctgaaggcgt atgatgctgt tagcaaggat atcatatctc ggtgggccta 540  
tcctttgtgt cccgacacca acttacttcc tggccacaac tacgatgctc ggaagggtag 600  
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<210> 13092  
<211> 495  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 13092

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agccaaggag gncagccctg aaaacacgaa ccaagcccag cgagtcccat tacaacgaca 180  
gcaaagacag cccgaggcag gggtaaaaaa aaaaacaaag ggaaaccaca caaggccaac 240

aagcaggggg caggaaaaga agaccgggaa cacgaacccg ccgacaagag ggcaccaaaa 300  
gcacacaagg ggagaggcaa aacaacacga cggcaggag aacacagaaa caaaaaacca 360  
ccgaccagaa aacaaaaaga acaaaaacgg aaaagcccaa accggtcaag caaaaaacaa 420  
aacagaaaaa cgagcaggac cacggaaacc aacaggacca aggcagcaag gcacccgggg 480  
aaaccaccaa aaaaa 495

<210> 13093  
<211> 582  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 13093

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ctgccatcgt ctcttactgt gctcccatgt cttttgcata ccttgctgc aagactttta 180  
taacacttgt atcacagagg gagatgttga gggcgtcaag tgcctggcgc ctgattgtgg 240  
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cttcatgaaa aggaagagga agctggaagc tgacaagaca actatatatt gtccctcggca 420  
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cgatttgag gattctgggg atgagtcaga aggcctaatc tttgaccct tggggaggag 540  
accaactgcc ccgatggcgg atccttggcc atttgcgagg ac 582

<210> 13094  
<211> 229  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 13094

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tggtggtagt ttcccctacg gggctattct cgtcgggcgc cgtacatgaa tccggtcagc 180  
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<210> 13095  
 <211> 674  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13095

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 gcaagctgag gactgaaaaa ctgtaggctg gtagagatgt catggtggga tgggtggacga 240  
 gactaagcga cagggaccca cgggggatct cgatcgaatt gactttgcgt ggcgaggatc 300  
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<210> 13096  
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 <213> Aspergillus nidulans

<400> 13096

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gtttccggga tccgggctaa gagaacaccg ctgccaccag agccactcag ccagagaccg 480  
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ttcttcagca cccggtgctt gcccttaagg ttataattc tggccgtttc cttgttgata 600  
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<210> 13097  
<211> 1011  
<212> DNA  
<213> *Aspergillus nidulans*

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gatcatcatc tcttgccatc agggatctgc actgaacaga tccagatggg gactgggtgtt 900  
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<211> 844  
<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 13098

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ccggcatcac gaccgggttg caacagcctc atacggctag atgcgatacg gggttctcata 180  
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caaaagaagg caccgtgcaa gagcctcggg cacacgtatg acattccgga cgcccaaagc 420  
accagctccc cggaatcgg gagggggaag gacagcggtg tcccacagat acaatcttag 480  
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ggggcaatga aagaaaaggg tggcccgaga gaccttttac tccaccaacc cgaaaaggct 660  
tataaaaatt aggccccgtt ttcccacca cgtccccgg gaaatgcccc ggctcccttc 720  
cgcatcgggt aaacccccga aaccagggg gcaatttttt ttttaaacc cccttttaat 780  
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<210> 13099  
<211> 569  
<212> DNA  
<213> *Aspergillus nidulans*



<400> 13099

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tgaccttctt tgctgatat atcgtcaa atcctctctt ttttaattctc tcgtgaattt 180  
ccaagtacta tgcaaagttg gtagggatcc caccaggcgt tgatattaga aatcagcagc 240  
cccaggcaat cgatcaatgg aagtccagat agtgattgag atcttggggc ccttctacag 300  
gggatactat attagcagaa ccaccagggt tgggtcctgg ttcgagatag actttgtcat 360  
gaccttattt ctgggttaca attacagcga aaacacctct cgtacgcccc ggggtgttga 420  
ggggatccag agctccgcca gtcttttagcc ggctttttca atacctattt cctcccagta 480  
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tcatgcgaac atttgtgatg aaagggata 569

<210> 13100

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 13100

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tgtcccctag caacccaaga gcttcggaca ccgagctggg cgaacagccc gagccggacg 180  
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tattagaggg gggagatcgc cttattagct ttctttctaa gtgtgtctta ccacaatact 600  
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cccggcccga cttgttccgg caaaaggggg aaaccataaa atttcttagg ttattgtact 720

tagggtcgaa attcgggttc tattcacccc gccaaaagaa tgggggatat agaaacctag 780  
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 cccgttaaaaa 850

<210> 13101  
 <211> 1137  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13101

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<210> 13102

<211> 179  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13102

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<210> 13103  
 <211> 112  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13103

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<210> 13104  
 <211> 665  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13104

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 cgaccgcttg atccccctgtt tgctaataaa aggccacaaa attctcatct tctcgcaatt 180  
 caagacacag ctgcacatcc tccaggattg ggccacacac ctccgctcct ggaactgctg 240  
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 agctcaggat cgcgctcacc gaattggcca gacgaaaccg gttatcgtct accgttttagc 480  
 aactaaggga acagttgagc agacactact tgaaaaagcc gattcgaagc gccgtctcga 540  
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<210> 13105  
 <211> 1016  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13105

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aaaaaaagaa aaaaaaagaa gaaaaaagaa aaagaaaaaa aaaaaaaaaa agaagagaag 240
aaaagaaaaa aagaaaaaaa aaagaaaaga aaaaaaaagg aaaaaaaaaa aaagaaaaga 300
aagaagaaaa aaaaagaaaa gaaagagaaa aagaaaaaga aaaaaaaaaa aaaaaaaaaa 360
aagaagaaag aaaagaagga aaagagaaga aaagaaagga aagaagaaag aagaaaaaaa 420
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caaaaaaaga agacaaaaaa aaacagaaaa aaaaaagaaa gaaaagaaga aaggaaaaga 720
ggaggaaaaa aaaaaagaaa agaagagaga agagaaacaa aaaaaggaaa aaaagaaaag 780
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 <213> *Aspergillus nidulans*  
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gaccgatgtt gcgaattt 198

<210> 13107  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 13107

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 13108

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cgcataaccc tcgcattgag gatttccttg ttatgcccggt cgaacgagtc agtgtgatgt 180  
tgaagcctga tgggttcttc acaaagaatc cggcgctaga cgtgccgcaa tccagtcagg 240  
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<210> 13109  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 13109

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<210> 13110  
 <211> 851  
 <212> DNA  
 <213> *Aspergillus nidulans*  
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 catggtatct cactgacggg aatgcgctcg gcctcgctt ttaaggcctg atgatggcta 180  
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 aatctgggac tcttgccga gggcccagcc tgccttctat aaaaagggtg cctgtcttaa 600  
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851

<210> 13111  
<211> 822  
<212> DNA  
<213> Aspergillus nidulans

<400> 13111

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ggttggagat tggagggaaa caaaggtctt gtttcgacca aaggcgcagtg gcctgattca 780  
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<210> 13112  
<211> 154  
<212> DNA  
<213> Aspergillus nidulans

<400> 13112

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agctattgag tcgaaacacc tgtgtccatc cttc 154

<210> 13113  
 <211> 447  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13113

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cggcgtttga gggaaactgt ccagtcttca ttagcctttg aagagtatcg cgggctgctc 180
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ttgagagcat tctgtccggc gaaacgaatc cactgatttg atatcccgcg acggtctcgc 300
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cctcgagtcc tttgcgtcag acgagct 447
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<210> 13114  
 <211> 391  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13114

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<210> 13115  
 <211> 388  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13115

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13116

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<210> 13117  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13117

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 aaaaacaggg ggaaaaaaaa aaaaaaataa ataaaataaa aaataaaaac aactttttta 180  
 aacaaaaaaaa aaacaacaaa ccacacgtgg gggaaaaaaaa aaaaaaaaaa aggggggaaaa 240  
 aaaaaaaaaa aaaaaataaa aaaaaaaaaa caaaaaaaca acaaacaaaa aaaaacaaaa 300  
 aaacaaaaaa aaaaaaaaca aaaaaaaaaa aaaaaaaat aaaaaaaaaa aaaaaaaat 360  
 aaaaactaaa caaaaaaaa aaaaaaaaaa aaaaacccaa aaaaacaaa acaaaaaaaa 420  
 aaaaaaaaaa caaaaaataa catataaaaa aatcagatag aaaacaacca aaacccaaaa 480  
 aaaaaaaaaa aaaaacaaga gaaaaacaaa caaaaaaaa tggaacaaaa aaacaacaga 540

actaaaaata aaacataaaa taaaaggaga aataacaaac ataattaaaa tctctaacaa 600  
aacaacaaag agcacaatgac ataacaaaga ataaaatata aaaacactac aaaaaaccaa 660  
aaaaaaatag attacaaaaa aaaataaaaa caaaaaaatc aagaaaaata ctaaaaacac 720  
attaccagaa taaaaaaaag atagcaaaca caaaaataaa acaaatgtaa caaaaaaaca 780  
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<210> 13118  
<211> 542  
<212> DNA  
<213> Aspergillus nidulans  
<400> 13118

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caaggggaac agttaactgc ataagcagag gggggatatg aacatgaacg gccgataacc 180  
tcgtaactct ctaatgttag acctatatac actgaccgag acatcaagac acgagctgaa 240  
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ct

542

<210> 13119  
<211> 103  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 13119

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aaataaaaaa aaaaaaaaaag cagattataa caaagtaatt aaa 103

<210> 13120  
<211> 551  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 13120

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tggagtgtca taaagtcaat tgaagcaggc tgcattggatc ccaacgaggc taataactaac 180

caggggtggtg acgcagggat gaacaatggg ttcaggccca gtttcgtcat ccccgaggac 240

ttcgaggtcg gccagtatac tcttgcttgg acctggatca atcgcatcgg gcagcgtgag 300

ttatacatga actgtgcccc gattacgatt agtggcggat cttccacgaa gagatcagat 360

gttgccgctg tcgagaaacg cgctcaaagt taccctccta tggtcattgc caacatcaac 420

ggctgcaaga cagagcagaa catgtctcct cgatacccca accctggctc catgggtgag 480

acactcaatg aagcgcacct catccccgat gccacaatg tttgctacga aggttccccg 540

ccgggggggtt a 551

<210> 13121  
<211> 542  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 13121

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acgggggaccc acgtgctctg cggagagacg cgtgctaggt cggccggagg tggcggttcc 180  
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 atcaagcaga cacactgttc gagccattcc agctcatagc cactataagc gactgttcac 300  
 tcttggtcga gtctgtcatt gtggtgagac ttgcaactcc actgttcaaa agcccacagg 360  
 taactggccg aatgcgtaat aaagcggatg ctcccaggcc aatagaggag ctccattcca 420  
 catgattgag aggtgagttc atgtaatggc tcaaatgttc cagctggaat gtggagatag 480  
 caaccaacac tgttcgagga ccacagcagc gcctgaggaa gatggggtac agatgccaaa 540  
 cg 542

<210> 13122  
 <211> 844  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13122

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 ttctcctttc ccttctcatt atcacctgat gactctccag tcttagccat gactttctcc 180  
 gcattgctgt ctccagacaa tgacggttcc agacctgctg ctgactttct ccgttcctgc 240  
 tctcccagct ctttgccaaa ctctctgacg ggcgacttcg gcgtctgacg ctgaccttgg 300  
 gtctgaacac cagcagaata tgctggctct tcgtctctat ctccatctcc aactgggtgt 360  
 ggtactgcgc cttggccagt tggggcagac tcggctgtga gagtctgtaa aaaggcttcg 420  
 cctccggtgt caggccggat cgtgtgatcc acccgctgg ctgctgtgtc tctgagacgg 480  
 ctctaagcgg gagggccttt ggttggcgtc ggtgtcgctt ggtacctgtc ccgattgctt 540  
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 attttcttga aaagtaacct ttagccccc ccccttaata aaacctggtt tggcgctggc 780  
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<210> 13123  
 <211> 677  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13123

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<210> 13124  
 <211> 571  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 13124

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acacacccca aacaacctgt ataccaccac ctccccccac accccacctc ccccaacgcac  180
actcaccaac ccaaaggccc ccaccaccaa ccgacgaata gcgggccccca caccaggaca  240
cggcaagtct ctcacacccc acccgagaat ccaacaaccg gacctctaa ccaccaacaa  300
aaagctctga aagggccagc cctctgcaac acacccaaac ccgactcca caacccctgt  360
  
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taccaaagcc ccaccggccc cctaaccccc ccctacctac accccggccac ctctgcaaca 420  
gacaaccccc ccccatcacc accttctccc ttaccaaac ccctaccaaa ccccaagttc 480  
tccccctaac ctcaatcaaa gcccatctca tacccttccc accctcccnt tggaccagg 540  
aaccaacgaa tcttaaccct cctccccctc c 571

<210> 13125  
<211> 1619  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 13125

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attcaccctt gttaccagca ccaaggggga cgatgatctg cacatctccg tctggaagaa 240  
tagcactagc acgctcctca tagacctgct ggggctctcc gttcacatgg agtttgagca 300  
cgggggtccc atcagcaggc ttgaaggtaa cgctcgctccg ctcaggcaca acagttcccg 360  
gcgcaacacc ctgctgttaa ccgatggcac agagaatacg ccccgagttt gcatcacggg 420  
cgtacagcgc cgtcttaaca agcggagacc ttgcatagt cgacgcaatg agctgcgcat 480  
aggggtagtc aggggagttt tggatccgga cggtaacgaa cttgggttgcg ccctctccgt 540  
ctcgcacaaac gagctgcgac agcgattgaa ggaacgaggt aagaatattc tgcattacca 600  
cgtaatcgtc attctgtgtg ctattgatcg gtgcgccgtc tgcagctccg ttggccagga 660  
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 tctctcatatc taagacgtat tgcgattatt attgtttggg actgtgctct catgatcata 1560  
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<210> 13126  
 <211> 1298  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13126

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 actaccgcgc gtagaaaata cgtgaaacta gaacgcaggg ctccggtgct gagcttgagc 180  
 tcaggatgga cttgaccagt tctaccgcag gagccaacgc cttgaactgc gaggcacag 240  
 aagctcagac catatcaatg ggctggatca aaggatatcg gcatgggggg cttcaagcct 300  
 gtagagggtg acatatttga gaacgtgctt ggaagaggcg aagagccatg cacagataat 360  
 aaccaacgca tacggggctc tatctaccga ccctttgtac ttgcattgtg cacgaagcga 420  
 agattttgtt cttgttgctc agtggagagt atctgcta at cggggcaa atctaccaat 480  
 aaattccaat atcttggtga gtccagatgt gccgaacat aaatgagccg tcattgttac 540  
 tataatacga actacaaggc atcagagtat gcaacattat actataacc aaattcaata 600  
 tcaagtccaa tttgcatgct gccgcattat cgcattatcc attatccaag aacaggcata 660  
 aaatccgacc tactcgcca tactggacgc aggctatctg cacaagaaaa gatctgcgcg 720  
 cagctggaac ttggccatta atgccgtatt tggtgaaagg tgtcaatcac cttaaaaaac 780  
 aaaatacaga tagggttcaa tgaagccttt ggggcagaag gagcgacctc ttattttgag 840

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 gcacaggga attaatactg gtggaccaa ctttataact aaggctttaa gggaggaagg 1080  
 ctctccccc gggatatttc caactccctt tttggggaac cattcaaaca tcaggatacc 1140  
 cccgtttatg ttctcgcatt tcccttcacc aggaatatta tgggtgtcatc ttctgggtgta 1200  
 tatacatcat aaccattttt tcttctatta caatttcctt ggtgggctat tcaacatctt 1260  
 acttttaata agctcctcat tcattttcac actccaat 1298

<210> 13127  
 <211> 786  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13127

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 cccccccac caacccccac cccccaccc cccccaccc caccacacac cccccaccc 180  
 cccaccccc cgcaccccc cccaccccc cccaccacc caccacccac cccaaccca 240  
 cccacccac ccacaccccc cccccccca cccaccccc ccacacccac ccccccccc 300  
 ccccccccc ccccccccc ccccccccc cccccccca cccaccccc cccaaccccc 360  
 cccccccacc cccccccacc cccccacac cccctgcccc cccaccccc ccaccccccc 420  
 acaccaacc ccacaccccc cccccccac ccacaccccc ccccaccac gccacaccc 480  
 aacccccacc caacaccccc cccccaccc cccctttccc accaccccc acccccccca 540  
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 caccaccca cccccccac cccctaccc cccaccccc ccatccctc cccccaccac 660  
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 accccccctc cctccccctc tccacccctc cccccaccc cctccccccc nacctccac 780  
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<210> 13128  
 <211> 791  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13128

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atgagctgcc gccaaaccaa gtcagcctct atctgctgcg cgcagcttca tggccatgaa  360
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<210> 13129  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 13129

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acggcactgg gattacagac tggacgcaga cactagtgcg agctagctgc gtgacaagcg  180
aacaatggct caccagtcac ccaaaggaga atcaattgca cagcattaac gactgcagag  240
caaagctcat gatagccata tacatacagt catgatatga ctgagcacta tggggggaac  300
aatgagtgat ccaccaaagc actattgaag caatagacat ggagtatcga tgctgaaatc  360

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atgcatgctg agcctaacct cactgattag agacaacctt gcagatattg atcctcatca 420  
cgcatatgca gggtgtgctg accttgtaa atgtaaagac cgagccggat catcctcact 480  
caagggcggc gtctatctca ttagacttgt ggctgttagg atcgtatcct actaagcggg 540  
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<210> 13130  
<211> 429  
<212> DNA  
<213> Aspergillus nidulans

<400> 13130

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atgttattcg acagaggagc ctgcctgtac actccaccaa aagcagaccg ccacagtgtg 180  
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catatacaga gagctcttcg ttagaggagc aaacctcggc agacttacta caatgatgga 360  
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<210> 13131  
<211> 537  
<212> DNA  
<213> Aspergillus nidulans

<400> 13131

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gtatcctatg ctcaatcaag gtctttgttg ttcttttttc atttcatagt gctttctatt 180  
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tctttcttat ttttcctttt ctttttttta tatttatatt ttcttttact tattattcac 480  
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<210> 13132  
 <211> 860  
 <212> DNA  
 <213> Aspergillus nidulans

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 cgtgattgca gccatccatc ctgcgagaaa ccacctcgcg gccggcttcc tctcttattt 180  
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 catgcgatga agggatgtag cattgggtcga agaaccgtgc caaaggcgcg ggaagaggct 360  
 ttccagtggg gtctggcgcg gttttggacc cgggctcggg atacagggtca acgggcgggt 420  
 agaaggttag aacggcgtgg aatgtctcgc gagggaagag agtcgacgag gctgctagag 480  
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<210> 13133  
 <211> 626  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13133  
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tagaatcccc cgcaaagggc accatTTTTg caccttttagc aatatgcaag tcatagagtt 180  
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 ctggaagggtt gcgggcaatc aaacgtccag aagccggaga gcggagagcg cagcgaacgt 300  
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 caacggatct tgctccaaga aggtgaattc ctctcgaag ggggtcgtaa agcagacatt 420  
 atgggggttaa ttcgtagcat atgaaaaaaaa ggaaggaaag aggaaagaaa tgagacggag 480  
 aaatggagtt cagacaagcg tcattagtta ccggtaaagt cacgtgtgat aggagaatcc 540  
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<210> 13134  
 <211> 947  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13134

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 ctctcttggg ggagtgtcac tctttcgtat aggggtgatt tgacatgtgc ctagtctac 240  
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 tcttgccttt tatcttcac ttccactat ttatctatt ttatctaact ggtcttatta 360  
 cgtttactaa catttaactt cttcaacttt cttcttttag ttatctatcc tactaattat 420  
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 ttacggcggtt tttattctcc cttatactcc ttttttcaa tttctaaatc actcctctct 660  
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taatttattt cctttatatt ctatctccat ctcatatact ttaaatctat tctcttctat 840  
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<210> 13135  
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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13135

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 agggatttaa aaaaaaaga gagacctgcc ttggatagat agcctacgca acgacagcct 180  
 cggcggcacc tgcagccccg aacaactttt ctctccattc accgcagaat gcttcaaagc 240  
 cactgaccac atcaccacac tcacgaccag cctcccgctc cctaagcctc cgatcccagt 300  
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 ttggtcggga ggagtgggtga tgttgatgtt gatgttgctc tgggaatgga taggggaggt 600  
 tagggagaag gccctcgtcg atcaaaggta tgagggcgctc aatggcgctc tcggagagga 660  
 gcgggaaagg ggcgaagagg aggggggtggg tgaggctctg gacagtgcgg gtttggtgcg 720  
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1243

<210> 13136  
<211> 930  
<212> DNA  
<213> Aspergillus nidulans

<400> 13136

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cgctggaacg gcgataaccag acatcgccgg gctatcgctc acatcagagc cgcattgcaga 180  
cgacaacgcc aaagactctt cagataaccga ctccactca gactcccgaa ctccagcccg 240  
aatgacgact cccctcgcta tcgccctcgg cgtcggagta ccgctcggtc taatcctgat 300  
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tggtacaatt gttctaattt ttttattcta tcaactcttt tttttctata ggtaaattac 720  
tttacattca cgattgtatt gtacttcgta ccttcttcta ttctctggtc ctgatctatg 780  
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tattatatta ttacttatc aagtaatata 930

<210> 13137  
<211> 826  
<212> DNA  
<213> Aspergillus nidulans

<400> 13137

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accccctccc ttctcttca atttccctc ccccttctt cctcccttcc cctctctctc 180  
 ctctccttcc ctccaattac ttctccccc ttcttctctc ttctccccc ccccccctcc 240  
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 cccatacccc ttccccctcc cctatcccc tctcttctct tctcctctcc tctctccttc 420  
 tctttccttc cccctcccat cttttccccc ctccccttac aattcctctt tgccccctct 480  
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 catctttata ccatacgttc ctttccccct atcctgtcca tccctttttt ctccccctct 660  
 tggteccctt tcagcgtaa accccccctt tctccacgg cctttaaccg tacccaaccg 720  
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<210> 13138  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13138

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 aacaaaagaa aaaaacgaaa aacaaaaaca aatacaaaag aacaaaccaa aaagaaaaga 180  
 cagagaaaga aaatagaaaa aaaaaaagac agaaaacaac aaaaagaaaa acaaacaaaa 240  
 acaaatgaaa aaaaaaaaaa agaaaagaga acaacacaga agaaaaaaaa acaaaggaaa 300  
 agaaaaaaaa agacaataaa aagtaaaaga gaaaagacag agaaaaaaaa aaaaaaaaaa 360  
 aagaaaaaaaa gaaaacaaaa aaccagaaaa aaaaaaaca aaaaaaaaaa aaagcaaaaa 420  
 aggagaaaac aaaaaaaca gaaaaaaaaa acaaaagaaa aaaaagaaaa tagagaataa 480  
 aagaaaaaaaa aagcaggaaa gaaaggacaa aacgagaaca acaagatgga acacgagaaa 540  
 gaaaaagaaa caaaacaaag aaaaagaaaa ctagaaagag aaaagaaacc aacgaaacaa 600  
 cacaaaaaaaa caaccatagg ccaagaagac agtcaaaagg agaaagatag agacaatact 660

aaaagacata aggaacaaaa aaaaaaagaa acggaacaa agaaactcag aataggaaaa 720  
 caaaaaacga aaccgagaca gagtaaaaaa cgaaaaacaa agaaaacaaa cgaaagaaag 780  
 aaaaaaaga aacggcgaaa aaagaaagaa acggaggaga aaaaaaaaaa aaggcgaaag 840  
 aaaaacaaga aaagaaagga aaaaaaaaaag aagagaaaaa ccacaaaata aagaagaaaa 900  
 agagaaaaaa gacggaaaaa acaacaaaca aaaaagagca caacgggaga gatggcgcac 960  
 aaaaacacag agaaaaaaaaa acaaccagac agacgaggaa cacaaaaaaa ggagcacaca 1020  
 aaaaatcaga acgtaaaaaa acaagagagg aaaaaaaaaa aaaaaaatca gaccgaagaa 1080  
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<210> 13139  
 <211> 750  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13139

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 agaggacacc accgacagca atgaacagca ggaagccgaa catgaacgac aaaccaggca 180  
 gcacgcaacc aaacgagagc aaccgacaga ccagcacaac acgcaatcaa ccagcaatgc 240  
 gacgcaccca aagccggcga agcaggccac gcacagacgc gggagcaaga gagaccacgg 300  
 agaggcagac aaagcgggaa ccaaccacg cccagaacac acgacgacaa ggggggagca 360  
 gccaacgcg aagccaacac gagggcccgg gcggacccca gcgcaccagg gaaggcgaaa 420  
 agacaagacc cgccggagcc aggacacgca cggaggcaaa ggggagaaag caaggcaaaa 480  
 ccgggccaaag aaaacgccag cgggagcaca agggagccgg gaaccaccca cgagggggcc 540  
 aaccgcgcgc ggggaggggc cgagacggca cagaccgggg gggccaaacc gacggggggg 600  
 agccccgaag aaggacggag agggaaggaa gggaagaaaa gccaaaaccg aaggcgaagc 660  
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 ccccgcaaaa aaggaaccaa cccaaggggc 750

<210> 13140  
 <211> 913  
 <212> DNA



<213> Aspergillus nidulans

<400> 13140

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atgctcaaga cctttttgta cgtaagtga tgagttaaag tttttcagtt ccgcttttgt 180  
accgaacttc tcttgaccaa ctggacgaag ggaaatgttc gcatcacaac gtaaggaacc 240  
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catatgcata tgcttcttct ggcgtacgca tatatggctc agatacgatc tcgattgaag 360  
gcattccttg acggtttag tagtactaatg aaccatcagc tgtatgcgtc gtattaccag 420  
catcttcttc tagatgacga cctgaaattc cgttacagag catttcaccg agtaatttgg 480  
ctttttttcg atcaattaca cgaagacgct tatgaataga aagagtcttc agctttttgt 540  
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cccctcaatg gctgggctca ccccgtttct ttagattcaa ataaacgatc ttttcttag 720  
cacctaactc caatcgtatg gtttaaagac ctcttcacga caaggggttt ggggaattta 780  
tttttaagga cgaaatggat atatttataa ttttaattga aaaactgttt tttttgtccg 840  
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<210> 13141

<211> 377

<212> DNA

<213> Aspergillus nidulans

<400> 13141

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ttgttaattg ctgcttttac agaatcaatt actgctgaac catcttctac tttaaaaaca 180  
cctaaaccaa accaagctat ttttactc gatatgtata tgtgtgtata tggctttgaa 240  
acttgtaaaa aacacttaat tctcccctag tttcattacc cgttgatctt cctgcttagc 300

gaattgcgct ctgaaaagtc atattcgtga tgagtttcgt gaccctaaac tgcggaacca 360  
cgatgccaca cgtctac 377

<210> 13142  
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<212> DNA  
<213> Aspergillus nidulans

<400> 13142

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aaaaaaagaa agtgaattac tccacttact tctctttctt atcacgaaaa actaatgcac 180  
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ttggcactga tactatagag cgatctgctc tccttacaac agtacgagca atatgaataa 360  
tagccgccga ctgcgtacca cctggcataa tacagcgtcc aaatggcgcg gcttcttcta 420  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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ggaagaagg ggttgaacca cctgaaccac gccggcgaca cgaggtggag ggcgccaccc 180  
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caagccgagg gcagggatcg aggacgcca gaaaccacgt ggccaggtta ctaaccggac 660  
cggaccccg aaagaagtga cagtgcgctg ggcccgggg ccagaaaaaa gccccggggg 720  
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<213> *Aspergillus nidulans*

<400> 13144

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 cgtctaattgt tttttattag ttttttcta tttaataata tgaactcttt attttatcat 840  
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 13145

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 ttgcgcccc agtttcttta cagaaagacc actcgtagta ttcgtgaatc taattgcttt 180  
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 aataaacctt gatgtggaga gaggccaatc tgtagtacga agaggagctt tatagtgagt 420  
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 aaaaaatcat aacggacaag ttcttcttta acatcacagt ttcaagaagt gtttccttaa 720  
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 gatgtcttta aaacatttaa aggttgatcc atctttgtct ttgttaacca ctcgggtaaa 840  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 13146

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gaccgggta gtggttgctg ggccttgccg tcggcatcgg cagtgggtgt agtgaatcgg 360
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ggacgaccac catatattag catggtctcg ccgcgttctg ggggtgtatc ctccaagtca 480
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<210> 13147  
 <211> 1026  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13147

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gccatcaaac tactgttgca caaatataat ttcaagtact tatcagataa aagtatgttt 240
gaatgattag acttacatag ccataatat acagatcagg agaataatgt aatctaaaaa 300
tattttttca tagattaata atattcctca ttaattcgtt tttttcttat tattgttcat 360
acttaattcc acttttaata aaatttacta tactatcttt tattttaatc ttctatattt 420
caccctactt caaaactctt ttgacgtttt aataaaactc tgcatactct tactataaga 480
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 ttctctttca atttagtctt ttttttgata ggttgtaata tttaccatta ttactacatt 780  
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 attaaccttt atactataac aattttatta atttatttaa ttcatactat ttttttattt 900  
 atttcctttt ttattttaat cgctttctaa tttatgataa tttactttta taatttatct 960  
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 cttctt 1026

<210> 13148  
 <211> 759  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13148

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 ccacatcttc aagcaccctt tcccatgata atcatccaga ctggcataga atctgcccc 180  
 aagccgcttc agaatctcac atctctcacc catatccttt gcaagaacga tctggccggc 240  
 ggcattccca taatggccat cctgctcacc ccaactcaacc aggtcatcca cgacgtcttc 300  
 gaacgcgccc tggatgaatt cggccacca taaccgccc gtactgggcc atcccacgcg 360  
 caccagagc gattccactg ctgtcgcggc ggggacctcg tcataaagaa acagatttcg 420  
 agcgctggtg acattctggg caacggccgc gatgagattg tagcgtgatc gactgtcgta 480  
 ccacggtgct tcaaggccgg gaggacattt tggcagactt ggtcctcggc atcnttggtc 540  
 ctgggtccgc ttcctgtgtg gattgaggta gtcccagccc agataatcaa aatcaactct 600  
 tgtaggggtg gaaagcacia tcaggccttc tttagacggc cagccataga accagagccc 660  
 ggtggagggg ggcaacattc ccttcatggg ggaattttgc tttccgggtt tgcagcgaag 720  
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<210> 13149  
 <211> 356  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13149

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 ccttcggggg ggaaaaatca agccccatt tttttccggg ccgaaagact gatgtcccaa 180  
 taaaaaaatt ttcgggatta gaagttgttt aggtggaacc ggttttaatg ccggtcaggt 240  
 ccggggaaaa ataacttaat ccggttggtc caaaagtttg ctaaaggat tttgagccct 300  
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<210> 13150  
 <211> 838  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13150

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 caaagaagaa acgcaaaga cagaaggagc agaaaaggaa gccgaggagg agggccaccg 180  
 acaacacgac agcgcaaagc aagacacaga caccaaggaa acacgcacca ggaaaagcaa 240  
 aggaccaca agacagaggg aggaccgggg cgaagacacg gaaaaacacg gcgaaacacc 300  
 gggggaaaca cgaccaggca ggacaagggc gccaggaag aaaaaagaa accccaggag 360  
 gcggcagaac cacaagagaa cgacccaaa acccgacaag gccaacaacc cgggagacag 420  
 gagaacaggc aacaaccgcc ggacccaac caaggcaaac ccaaagaaag cccggaaaag 480  
 aaaaaaggg ccaaaacaaa gcaaaagaac cacaagagcc aaaaaccaa gcaaggcaaa 540  
 gagaggcaaa aagcaagacc cggggaaaaa accgcaaaa gcaggggacc agccgcgcga 600  
 gaccaaacc agaaaaaggc ccaaaaaaa gaaaggcgga aaaaaccccg cgaaaaagg 660  
 gacacaagaa gaggaagggg gcacccccga gcaccacccc ggagaggga aaaaacaaag 720  
 cagaaagaca ggacccaaaa aaggaacaga acgcaggcaa aaaaaaaaa aaatgaggg 780  
 aaaacaaatg ggacaaaaa gcccagaca cgaaaaaaa cccgcccccc accacaaa 838

<210> 13151  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 13151

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agtgaacac ggctcgtcttt tcccccttga catgagtagg gtaatacttt attttcccgt 180
ttaaggggtg tcacgagcaa tctatgggtc atagccagcc ctgcgggaat tactcctgat 240
aatcacgttt atgtgagagt cagggcttca ccagatactc ctttaagcta gaggattcga 300
gctggaatgt tatgaggaag atttatttgt cgtccgtgtc ttttgtatct tttcaccatt 360
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ttcattttta ttttattatc ttataactta cttttttatc tttttttttt ttttcttatt 660
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ttcttcttct cctttttcaa tttttcttat ttttttctt attctttttt tcttttctta 780
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<210> 13152  
 <211> 735  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13152

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tatatattag tgtatggggc agttcgggaa tatatgtgaa tgtggatcac agagccccctt 180
ccgccagccg ctccagagcc tccccctcaa ccatcatctt caaccattcg tccatagcct 240
tcgcgcctac ttgtttataa aatttgatac tcgggtcatt ccatgtaagg aactccact 300
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ccaagcgtct cccctaatac tcgagtacct tggcagccag ccacttcagc agcttaaacc 360  
 catatccttt tccccgcgcc gcgggctgca cgtataggct ctcgaggtag ataccgggg 420  
 ctgcgcgcca agtagaatag ttgtagaaga agagagccat gccaacgggc ttgggtgacg 480  
 gattctcggg cgtcgcgggg ggctgatga gtgcggtata gacggagccc cgcttggggg 540  
 tgtcgtcggg gaaggacaag gtcgcgagaa gggatttctc ggtggcttcg acttcttgca 600  
 aggccttttt cgaatcggcg agttcgcgga tgaattgcag gatcaggggg acatctgtgg 660  
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 gggatgataa cttac 735

<210> 13153  
 <211> 425  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aacatcacct tgcccaaagg taatgatcga gcacggcag aaaggagacc gtctagaagt 180  
 gtctttatta taatggttta acaagaacat caactactat caccgtattg ttgaggcgac 240  
 agggagaaaa agaattttac tgtctcattc tggagataga cacaacacac gtagctcaag 300  
 ctacggccga cactattaac agctgagtgc gaagaagctc atagtccgct gtagtagaca 360  
 cgactctagt gaaactagct gcaagtgcct cagctgcgca tagagtagct gggagcgctg 420  
 tgagc 425

<210> 13154  
 <211> 317  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13154  
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 gggctatatt actcagaact tgcgtctctt gcagccgatc ctagacggta gacattatcc 120  
 gtggcttgaa tagacgtgtg aatggcagaa tcatactcat gcagcatcgc tacattocaa 180

gggtgagcga tctgaacaaa cttttgacat agtaacctgg aatctaaccg ggtgtcctag 240  
gcagttcctg ttttactttt cttcattaaa acctgaacca ggtccggacc gttggtgatc 300  
acacggtcat gaagtga 317

<210> 13155  
<211> 736  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 13155

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ctaaggggggt ttttttgaat caaagggggc ttatacacct catacctttc tcataccttg 120  
ttaactttat tgtcctgttc cctactctgt attttcttca ctatcttctt ccttcccatc 180  
tttatccctt cttttttctt tactcttctt cttctttact tctctttttc tttcttttct 240  
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cttccccctt tattttcttt tatctttcta cttattttct ttttttccct ttctttcttt 480  
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ttatcttctt ttcact 736

<210> 13156  
<211> 878  
<212> DNA  
<213> Aspergillus nidulans  
<400> 13156

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gcgaccatac actgagccac attggcgagg gtgatggcta taccagctg ccaacacaca 180  
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 cccgcaagtt gctggaaccc atgactgttg ggcgctaggc gtacatgaac acctgcgctg 300  
 atatgaccag gtgacgagag aatcgagcct tggaggatcg cacctcggat acgctcggat 360  
 gatgttttag accgcagtgc ttcttatgcc taaagcgctt gaagcttgag ctgcaccgaa 420  
 ttcttgttt gtgttgatgc gatgacagtt ccttgtatgg ctggaactac cgaagctgg 480  
 cgtggccgtt atggaaaggc gggggaacgg atgcttattt tatcgagtgg aacctgggcc 540  
 gctgatgatt gtgaccgttt ggctgatcc cgtgctctgg taagcccgaa atctgttgcc 600  
 gtaggcccc cggaattccg tggattggtt aggttttagtg ataccacctt cgttgttatg 660  
 ggctggggcc cacatcgatc cctggtaaaa ctttcggaat tattggccta cattgctact 720  
 tcagggtggt aacccaaccc ggccaggggc cggaatttt tttcttatgc tgctagggcc 780  
 aatcatacat tgttgggccc tccttcgcct tttcttatat attttttttg gaaattttct 840  
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<210> 13157  
 <211> 1035  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13157

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 acccccaaaa aaaacacaaa aaaggggaaa aaaaaaaaaa acaaaaaaaa aaaaacaaac 180  
 caaacaacaaa aaagaaaaac aaaaaaacaa aaaacaaaaa aaaaaaaa aaaaacaaaa 240  
 aaaacaaaca acaaaaaaaa aaaaaaacaa aaaacaaaaa aaaaaaaa aaaaagacca 300  
 aacaaaaaaa aaaaaaaa aaaaaaacc cccccccaa aaaaaaaa aaaaaaaa 360  
 aaacaaagaa aaaaaaaa aaaaacaaac aaaaaaaa aacaaaaaa caaaaaaac 420  
 aaaaaacaaa acaaaaaaga ccaacacaaa aaaaaacaaa caaaaaaaa acaaaaaaa 480  
 caaaaaacaa aaaaacacaa gaaaacacca aaaaaaaa aaaagcaaaa caaaaaaaa 540  
 acacagaaaa cacaaaaaac aaaccaaaaa acaaaaccaa aacaacaaaa agtcaaagca 600

caacaaaaaa caacaaacaa aaaaagaaaa acaaaaaaga aacaaaacaa aaaacaaaaa 660  
 caaaagaaaa aacaaaacca aaacaaaaaa caacacacaa acaaaaaaaa aaccaacacc 720  
 acaaaaaaaa caaacaaaaa acaaaaaacaa caaaaacaaa aaaaaaaaac aaaacaaaca 780  
 acaaaaaacaa aaaaaaaaac aaaaaacaaa aaacaagaca aaaaaaaaac cagaagacaa 840  
 agacaaaaaa caaaaaacaa agaaaacaaa aaaacaaaca aaaaaaagac aaagacaaca 900  
 aaaaaaaaac acataaaaaa cacagaaaaa aaaaacaaaa aacgaaatga acgaacaaaa 960  
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 aaacaaacaa aaac 1035

<210> 13158  
 <211> 787  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 cccaggagt acacggctat gaagctgaag gttaaggagt gggcacctaa gattgcagaa 180  
 ctogtcaaag gcaagattga ggatgacgcc gatgtttact tcattccgcg taccctgcgt 240  
 ccggagacca tgtacggta aaactgctgc ttccctcgcc cgaagatcga atacggaatt 300  
 ttcagggtca aggagaagca gtactatata tgcaccaagc ggggtgcttg gaacatggct 360  
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 cacaaggatg gtgtgcat ccttcctatg gaggggtgtt ctgctacaa ggtactgga 540  
 tgctgctact tgtgtgcct cagactcccc tgacgactat gccactttgg tcgaccttgc 600  
 ttagaagccc cgatactacg ggctttcata aaggagttgg gccttgattt ggaaaaaatt 660  
 ctccctttta attgaaaaac acccttacgg taacgggtaa accctttaac ccggcaacca 720  
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<210> 13159  
 <211> 954  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13159

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aaagaacaca aaaagaaaaa agcggaaaac caaaaggaaa aagaaaaaga gaaaagccaa 180
aaacaaaaca aacaaaagga gaaaaaaaga aaacaaaaca aagaaacaaa acggaacagc 240
aaagcacaaa aaaacagaaa caaaaccaa aaacaaccaaaa aaaccccaca aaacaccccc 300
acacacaaca aaaaaaaaaa aaacaaaaaa caacaaaaga aaacaacaaa acaaaaaaaaa 360
aaaagaaaaa cccaaacaca aaaaacccaa caaaaaaac aaagaacaa aaaaaagaac 420
aacacaaaaa aaccaaaaaa caatacacac caaaaaacaa acaccaaga aaaaaaaacc 480
aaaacaaaaa aaaacagaat caaacaaaac aaacacaaa aaaaaaaacc caaccaaaac 540
aaaacaaaaa aaaggaaaaa acaaacaca acaaaaaaaaa acagaacaaa caaaaaaaaa 600
aaaaacaaaa aaaacaccaa aaccaagaaa gagaaaaaga aacacaacaa acaacaaaag 660
aaaaaaaaaa aaaaaaaaaa caacaacaaa aacacaaaaa gaacaaaaaa acacaacaaa 720
cagaaacaaa caaaaccaa caaaaaaaaa aacaccacaa aaaaagccaa aaaagaaaaa 780
accaaaaaaa accaaacaca acaaaaaaaaa acgaaaaaac aaacaaaaac aaccaaaaaa 840
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<210> 13160  
 <211> 1073  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 13160

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 ccgacagcgc cttcttgatt tgaagccttc attctctcct gtcccctacc tcaaccttgc 420  
 ctggctatca ggtttcatct cgccgaaagg taagcatggt tgctggacgc catctgtgat 480  
 gcttctctaa ttggttacga tcccctggcc atggagagca caacagtcac gaacagcttg 540  
 tttggtggga ctgcgatgat gctaacgtga cctccccgga ttagttgggt gagaccgaac 600  
 gaggagccat gtttgcgcca gccctacga actgcttcat tacattatat cgcatngact 660  
 gaattgtcga ttgctgcctc acaaccggtt aatttgtctg cattctgttc tgccccatga 720  
 atagagctca gcatcataca ccctatgaaa catggctgtc atgcgtttgt tgacactact 780  
 gcagacgggt gtttgatgtc catttggacg tgcaggattt tttataaaca cagtgttcca 840  
 gtttcccgag cccaagccc ttttttagag taaattcctc aaccagccc aataatgaaa 900  
 ttaatatctt ttctcaaaa aaataatttc ttgttgtna attaaaattt aaaacccac 960  
 aaaaattttt tagcttttgt tacttttttc tacaggggga gcggtctttt ttaaaaaaat 1020  
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<210> 13161  
 <211> 651  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13161

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 aagatgtgat acggcagact ctgcgaccag ccgtccactg gatggaatgc atagctggcg 240  
 aatggcgacg gcacgatcca tttgtgatgt ggtttgtgaa gccagcggtta taccatcgga 300  
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 tactgcagcc acgtgtacgc aggaaatgga gcctcgctcg caaagttgta cagctttgac 420  
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gttacacctt gtcgtatctt gaggcggatt tagttcggga ggaaatggtg gtgtcgaatg 540  
agcccccttat tcaacattgt gtggtaaact atcatgcttt caatgaggta catggccggc 600  
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<210> 13162  
<211> 1286  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 13162

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agaaagaaaa aaaaaacacc accaccacaa aaaaaagta ataatagaaa aaacaaaaaa 180  
caaaaacaat taaacaaaaa aaaagaaaat aacaaaatga tagagaacaa aaaaatgaaa 240  
aaaacaaaaa caaaaaaaaaa aaaaacccaa aaaataaaaa aatagacat aaaaaataaa 300  
aaaaaaaaaa aataaaaaaa aaaaaacaa aaatcaaatt taaacacact tagctcaaag 360  
aacaaaaaaa taaaaaaa aaatgacaca aaaatataaa aaaagtaaaa gaaaaataat 420  
ttgaaaaaaa tgaaaagaac actgtcaaaa aaaaacatt gaaaaaccta acaaaaaaat 480  
acatttaaaa aaaagaatac atattaatga gaataaaaaa aaaaacacaa aaataaaaaa 540  
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aaaaaaaaaa agaaactcaa aggaataag aaactaatta aaaaaaaaaa acaataataa 780  
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aaaagagtac aaaagaatca ancagataaa aatgaaaaaa ataaagaaaa ttaagacaac 1020  
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 <211> 536  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13163

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 gaatccaaca ctgaggagtg ctgcaTtcac aatactcata agacatctct agtcccacta 300  
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 tcgcaacatg tctgccgcgt ggatgacaaa aacagtcatg acacatcatc gtcgtgaggt 420  
 gcaccgccag accgtgtaac gtcggaaaga gggacgtaga tgcttatcgg ccttggggccg 480  
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<210> 13164  
 <211> 804  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 13164

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 aagacctttg tcacaccagg agacggacgc tgaccgaaat caacaggggc ggatcgtgga 480



gagggcacct aaagcaccta cccgatgggg aggcgtttga aaagacacgc tgaaccgctc 540  
 ttgcagggag cctcagccat tagcagcgca ttgtttactg agctttaata ggcagtgatt 600  
 cggaagggtc gcctaggatc ggcttcgggt aacttggata agcgctaggg actgcgttta 660  
 taggtttaat aaatgttatg aaccggccta tgcgttcggt aattcaaggg gcttaaaatg 720  
 acagggggccg cctgggttaa tgcgattctc ttctctgtca aaaggggatg agacctacat 780  
 tttcttgttt gggccctcct gggg 804

<210> 13165  
 <211> 623  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 13165

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 aatttgatg gaccctatat atttatctta tgggtgtgca tatgacttca tttggcgaac 120  
 aaaaaaacta gattgcaaag actgtgtagg ttttcgtgcg aatctatctt cgtacttcag 180  
 aatgaaatg aatcgaaccg gttatgacaa agacatcatt ggctgctatc attaggaact 240  
 tttgtatcaa ttgcctctct ccgattttta aaagctaag atgcttctct ctgaggatct 300  
 gatgcaagca tgactatcag atattgcccg atctaaggca catgttgaca atagaatttc 360  
 gtctcctatg tgaaataatc ggactattat gtgatgtaag gacgcattat caagatcagg 420  
 cagaggggct agtcgatacg ggaatctgag atgcgctaag agtgacatag cattcgtgca 480  
 cgaggtttac tcggtttgag agccctctag gtttttgta gtgctacaga ggccgggctca 540  
 gagattctaa tgggatggca aagtatggcg gcttttgagc aggcgcgtaa acaatgagtt 600  
 gtactcctta ggattcatat tgc 623

<210> 13166  
 <211> 1446  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 13166

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aaaaaacagg ggaggttagta tataaaaaaa aaaaaattat aaataatata ataaaatatt 180  
ttatttataa aagaaaaaga gaaaaataat aataaatggg ggggggattt ataaggaaaa 240  
aaaaagaggg gttgataaaa aaanaaataa agaggaaata gaaaaaaaaat aaaaaataa 300  
taaagataag aaaaaataag aaataaataa attaaaaaat aaaaaattat aggaaaaaaa 360  
aaaaataaaa aattataaat aaaaaaaaaa aaaaagaaat ataaaaaaat aaataaagag 420  
gaaaaaaata aaagagaaaa atataagaaa ataaaaaat ataataaaaa gaaaaaaaat 480  
gaatataaat aagaaattga aaaaataata agaatagaaa taatatataa gaaaaaaagg 540  
taaaaaatat agaataaaaa aaataataga aaataagaaa aataaaatta taaaataaaa 600  
ttatagataa ataagaaaaa gaatgaatga tataaaaaata ataaataaag aagagaaaaa 660  
aaagaaaaaa taaaaaaaag atataaataa acaataaga tataaagatt aaaaaaaca 720  
aaaaaaaaa gataagataa tataaattaa taaataaata aaataaatga gaaattatat 780  
agaaaaaaat aagagataaa aaaaagataa ataatggag aaaataagaa taatagaata 840  
ataaaaaatg aagaaaaata aaatagatat gatataaaa ataagtaaat agaaataaat 900  
aaagagagaa aaaaagaaat atgaagaaaa atagagaaaa aaaaaaaaat taaagaaaat 960  
aaaaaaaaat aaaaaaaaaa ataagtaaaa aaaagaaaag atatagaata aatataaatg 1020  
aaaaaagaat aaaaaataaga agaaagaatt aaatatgata aaaaaaaaaa aaaaaagaa 1080  
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aaaaaaagta aaaaaataaa gaaaaaagaa tataaaataa aaatagtaaa aaaatataaa 1200  
taaaaaataa caaaaaaatt aaataaaga aagtaaatag taaaataaaa aataaatata 1260  
tagaagaata atatatacag tgagaataaa tagataaaat aataaataat aaagattaat 1320  
ataaaaaaat aaataaatag atatagatta gaaataagaa aaaaataaga aaaggaaaag 1380  
tataaatatg aaattataaa actatgaaaa agatagaata aaattaaata aatagaataa 1440  
taaaaaa 1446

<210> 13167  
<211> 1284  
<212> DNA  
<213> Aspergillus nidulans

<400> 13167

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tgatataacg ccaggttcgg gatatccccg cgggtgaacaa gccttttacc gtctccacag 180  
agcttggtcca tcggattgtc tttgtaattg cagcctggat ttctttggtg agaccttcat 240  
cgctagcaat gcgctgttca aactgtccac ctgacctgcg gcggacaatc tctggatcat 300  
tgtcattact ttccttcac c atcttggtga attcaccacg aggaatgccg aagcgcgct 360  
ggtactggaa gtatagcctc tctcggaagg actccggtag gcggcggacc atatttcgcg 420  
gctttacggg atccatatct tgtgagagcc gcacattggc ctcaggatca tctatccagt 480  
cgagatcgga gcaacgcttg tcgttgaaga caacgtcggg tcaggctctc gatgagcgg 540  
gcatacagcc gtcggaagtt agccatctgc gaagaaacga tattgttgac ttttcgctgg 600  
tcctggacag gcaaagccat gcggagagcg cccatgtaac tcattgaagc tatggcgctg 660  
tataggctgg acctctttaa attctttccg ccagcagcac gcatagccac cctttgctgc 720  
caaccagccc attcattctg ctttcgaaag cccgtactct ttgtatgggt cctctacgaa 780  
tttcaaccgg ctttttgaat cccgagtcg ttagatatca cagtgtccca accgacctgc 840  
aattcattac aaacacgttc tcggatctta tcaacccct aggtctatgc aatgtgcct 900  
cttattggta atattcgggc tgcaaatacg tcatctggac ttaatctttc cttccacctt 960  
gtgaaaacgt atcttcgctc tagatcgctc tcgtgcctac atgcagtttc actcttggt 1020  
tattccgctt tgcccttatg gtctctctat tccccacatt gatcccttaa tttccttcat 1080  
catccctaca catccatcca actcttactc atcaatactc acctgatcct tcttatctct 1140  
ttccccatac ctttatcata caaaccttct ttactgtatg ttcaaacctc ctctcatcct 1200  
attctctttc tttatccttc tccactcctt cttacacttc ttctctctct ctctttctca 1260  
actctaccct cctccgtctt cacc 1284

<210> 13168

<211> 544

<212> DNA

<213> *Aspergillus nidulans*

<400> 13168

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cttcatggcc cctggatgac gagacataaa ggcagttttc gagagcggat ggctcgaggg 120  
gggctgtatg ctcaagaagt accttcacga ttttcgctg tctggcgaat gacgcagcct 180  
ttaagggtc cctcacgtca agcccaaat ccgtttccag caggcgcaga ccaccctcgg 240  
cagcccaaat aaagacgcaa agtagagaga cgaagtgtcc gagaccttcg gttgctgtcc 300  
cgaggccttg tggagatgga gatacaagtg gcaccacagg ctgaagttct ctcgctcctc 360  
acaatcctcc tccaggagct tcatcaccaa ggcaaagacg tcgtcatcgt cctcgctgaa 420  
gtgagcatgg gcacccaccc ctggacggca tatcgcagga acttgatttc tcaaacgct 480  
gcagcatttg atccccgggt cctcataatt ttagagaaag ttactgtagc acaagtagat 540  
aagg 544

<210> 13169  
<211> 953  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 13169

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atattgtgat atcctgataa aaattactgg atgagaactg aaagttttct actgcaacat 120  
aattgacgaa caggcttttg tacatctttg atttgtatgc tgcaggttcg atgcttttcc 180  
ggatcttaaa tcacgaatgc actaatgaca acgacaatga ttggtgaata tattgggcag 240  
cggttgcaga gttacaaccc tagtctgggg gtgcagcaac aacacgggtc gcagtgtcaa 300  
cagaatgagc atcactactga gtcccagtct gtgacgaact ggccatattc gttatccgac 360  
gtacctataa cttccacggg tgcagttgctg tcataaacac caaatatcga acgttgaggc 420  
acgagaggat ccatgattca agctgtgtcc ggataacgag gacgccggcg tccacggccg 480  
gagttgactc gacttataac aaatttttga taggagacag tgcgcttccg gtgccgggtg 540  
agatattatc tgatcattaa aggcattggc ggacattaac tgaagggttc ttttccttta 600  
catggggcct gccgttggga tggcattttt cataaaactt atttaggggtt gggtaaaagc 660  
ctaaatgggc cattacattg gggtaaggtt ttgcgctcaa aaggagata ttttaatttt 720  
ttccttttgc actttatttc cgggtggtaaa tattataaga aaatttatcc ctttactatt 780

ttagtaaact tgttattaac cttttaatgt atattttttt attaattaat ataatttggt 840  
acaagccttg tatattatat tatatatattt atcactgtct ccttaattat ttatttatta 900  
tctctcttcc tgttcatatc tatatttggt ttattttttt atttattttt tct 953

<210> 13170  
<211> 537  
<212> DNA  
<213> Aspergillus nidulans

<400> 13170

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gcgcgtcatc cgtgccactg aacccatcag catctctcgg agcgacattc ataattcctc 180  
aaagaagggc aaatgggtggc tcgtcggcgc cagctggaaa gaggaccccc ttgagtctgc 240  
ccgccaggaa ctctctcac tctctgccgc caacacacat caagccacga tagtagcgga 300  
cgacagcgaa gctgaaccag actacgcctc tatcggaag gcgcaccgca tgaacaccga 360  
cgttcgccgc tccatcttcg tggctattat gtctgcaaca gacttccagg atgcacacgt 420  
tcgtctgctc aaactccgcc tcaagcgcgc acaggagtgc gaaatcccc gtgtcctcac 480  
ccaatgcgca atgaaaaagg acgtcataa cccgtactac acgtcatcg cccccg 537

<210> 13171  
<211> 601  
<212> DNA  
<213> Aspergillus nidulans

<400> 13171

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ttgcggaagg catcaacatc aaaggaggca agcttggtcc cggcctcatc cttgatctcc 120  
tggttaacga ggtcgacttc gacttcgcgg ccggcgcggg cctcgtcggc aatcttctca 180  
aggacggcct ggtcggaat caccgacggg agcatgccgt tcttgaagg gttgttgaag 240  
aaaatgtctg caaaggaggg ggcgatgaca cacttgatgc cgaaatcgag gagagcccat 300  
ggggcggtgt cgcgaggga gccacagccg aaattgggtc ctgtgacgac gaggatcttg 360  
gagttgcggt agattccctg gttcaggatg aaggaggggt cttcctgtcc gtcctttag 420

cggagttcgt agaagagagc agagccaaga ccggtgcgct tgatggctctt cagaaactgc 480  
 ttcgggatga tggcatctgt gtccgacgtt gctgcggctc ataggggccc cgatgccctt 540  
 gagggttgtg aacttgggga gacggcggag gtggtggcag ggggtgtcgt gtttgtatgg 600  
 g 601

<210> 13172  
 <211> 885  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 13172

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 cagagctgat ctttgcaagt tttgagcgca aattatacct ccgggcccgt catcttttcg 120  
 aagaacacgc aaaaggtcga aggctgcagc tgtgcgtttg agttggcgat acttgacctt 180  
 tatattggcc aatttgggct cacggacatg gacatacata gctccatttc cgcgcgtcgt 240  
 acgacttctc gggacatcca tccacttttt accatcccctt atctgcccag ctcatccaat 300  
 catgcttcgt cctatctcca tccctctctc ctaactacca ctctctctct tcttcaactc 360  
 ctctacctc tatcttctct cctaccgtc cctccctatc tccctcttc taactttcac 420  
 cccctcacat tccacttctc cattccctaa ttccacactc tcccttctcc ttatatatttc 480  
 acttegetcc acctctacca tagccttttc tattactcaa acatccattt atcccatcct 540  
 ctccctcctt cactcctacc atatccattc tccattcacc ttaaaacacc cccacagac 600  
 tctctttatc gagtctcaaa ttcccactct cttcacacac atcgtttttc ctctctaca 660  
 ttctccaaa ctctcacac ttctccactc tctctactct cccacccta ctactcttcc 720  
 cacactctac cttccttctt acctataacc cctatcattc caatctccat ctgggcctct 780  
 aatatactat ttcattctaat tcacacacac tccccccatt cactatctct actctccatt 840  
 accnccactt tctctttctt cccccattc atatttcact ctct 885

<210> 13173  
 <211> 859  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13173

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 ccagactttg gggacaaagt aatagggcat atgcctaggt aaaaatatga tacttctaata 120  
 tttcgaagct gcttttaata atgtatgtat ggccgatcat ctgtctctgg attcaccata 180  
 tccttgacac attcatagca tattaaatta tcataaacat atacaccttg tttcctttgt 240  
 gcctcacaaa caatacaaac ttcactctgg aatttcacgc ccttccctcc ctattttaga 300  
 gaacctagtt tatactatta gtgcctaaca ctttacagaa agatatacac ccatgtttga 360  
 tataatatga tgaactcttg gccaacgcgt ttgtatcaca cccactgctt tcgcgttcac 420  
 tgtcacaagc catgagcgca cagttcaaata gacttgcgtt agtcgcgcgt gagctacgtg 480  
 cgactgttac agggacaatg ctacactgc catgcatgct agagagctta actaccgagt 540  
 cggcatggga gcggtggcga ccgttctgca tcatgaccag acaagaagtg atatctttca 600  
 aacaagaaac ctatgttcaa taggttgaag gtgcttagat atatgaacgg agtcccatat 660  
 aacttcttcg cccggctatg ccagacaccg gaggaggtag gtttgccctgg aaccaattta 720  
 ggcttaagtt cccctccgct attcttgaata ctccaaacct tggggaaaga tcggggaata 780  
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 gggggggcgg cggggggggg 859

<210> 13174  
 <211> 535  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 13174

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 atttcttttc tgcgttcctc ttccgccacc ttctttgctt tgtgtcttct ccagagccac 180  
 aggctacca ggacaagaat agcgacagag acaacaggga caaccaccgc gtcagcaata 240  
 gtgccacctg ccgagagtcc agagtcgctg ccgcctgtct ccgttgctga agcagcagat 300  
 gaggaatcga tgggtgaaga tgcgtctcca ctgcccgtag tcgtgggtcc ggtcgggtgtg 360  
 ccagttatgg tgatagtggg tgtgggtgtt ccagtgggtga tctctgttgt ggtggctgtt 420  
 ggctcaacag tatcggtatga agttggctcg gttgtgtgtc ttgtgggttc agtagtagtg 480

gtggttgggt catcagtagt agtggtagta gtactactac tagtagtact ggtag 535

<210> 13175  
<211> 1023  
<212> DNA  
<213> Aspergillus nidulans

<400> 13175

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tccaatggat attatgtctt cgggtctcga ttgcttcaat tgaaagatat acaaacatac 180  
ggtagtgcta caacttctta agcgtttcac gcggccagat acggtgcact gctaattgcag 240  
gagcgtctgt tgaggttggg aaaggattaa cacctagtct ttcttgacct ctgttttagaa 300  
gaatccaatg ggcagactga aaaatgtact ggactacagt gaaatagggg atcacgctga 360  
ctggctcaac ttgagtgage cctatactaa gcggatgggt atgaagagaa gacccaacgc 420  
ccgcgcaggt actacttctt ccaccttgat tgcaataag gacggaccog cccacaccgt 480  
atctcctttg tgcaagagca gagaagactt ttttttccca cccccgctct gtgccaaagg 540  
tttcaacaac cggttgggtt gttgcccccg ggaaaacaca ttgggggggc cctgataccc 600  
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aaaaaccctt tttttctctc ccaaattttt ttatttttta aaaaaagggg ggctttttct 720  
tgggggggag ggcgcttttt ttgggggtcc aaaaaagcc ctccctcccc cttttctgga 780  
aaaaaccac ggcttggggc ccctcttcac ccctcccca aaaattttct tctcggggga 840  
aataaataaa caaatagggt tccccccctt ccctttttta aaaataattt gggccccccc 900  
cccccccccg ggggggtttt ttttttttaa gaaaaagaca attttttttg ttttaaaaaa 960  
aaaattgggy ggcgtttttt acaaaaaaaaa aatttgcccc ccttttttta aaaccgccc 1020  
ggg 1023

<210> 13176  
<211> 1096  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations



<400> 13176

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caacacaaaa aaaaagaaaa aaaaaaccaa aaaaaaaaaa gaaaaaaaaa aaaaacacaa 180  
aaaaacaaca aaaaaaaga aacaacaaaa aaaacaaaaa acaaaaaaaaa acaaaaaaaaa 240  
aaaaaaaaaca aaaaaagaaa aaaaaatgaa aaaaaaaga acaagaaaa aaaaaaaaaa 300  
aagaaaaaaa cacaacaaaa agaaaagaac aaaataaaga aacgaaaaca acaaaaaaaaa 360  
caacaacaac gatacaaaaa aacgaaaaca gaaaaaacta aaaaacaaaa ataacaacac 420  
caaatgaata gtgtagaaca caccaaaaaa agacaaaaaa acaacaacac aaaaaaacag 480  
aagcacagca aagaaaaaaa aagatcaaaa gaaaacaaca acaaaacaac acaaaaacaa 540  
aaaaaccaac aaaggaaaac aaagacacca acaaaagaga aaaacaaaga caaaagaaaa 600  
aacataagaa aaaaaaaaaac aacaaaaaga gaaaaacca gaaacaaaag aaaataagaa 660  
caaagaacaa aaaagacaac aaaaaaaagg aaaacgaaaa cggacaaaaa agacagcaaa 720  
cacaacaaaa acacaacaaa accacaacat aatgacagaa caaacaaaaa caaaaacccc 780  
aacataaaaa cacaagagac aactactaaa aaaaaaaaaa aacaataaat gacaaaacta 840  
acccaaaaac gagaagcaca aagaaaaaga aacaggaaca cataaaacaa aaacatcaaa 900  
gaacaatgaa aacaacaaaa aagatcaaca caagaagaga caaacaccac acaaaaatag 960  
cataaaacac agaaaacaaa agaacaaaaa acaaaaaaga tcaaaacaac agaacgcaaa 1020  
aaaacaaaaa cacaacaggt acaacaaaaa cacccaatac acaccaccgg acagcaacga 1080  
gaaatacaat aagaca 1096

<210> 13177

<211> 800

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 13177

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agaggagaaa aaatgagggg aagaaagaaa aacgatacaa acaaaaaaaaa acaaataga 180

gggaaaagaa taaaggaaaa agaagaagaa gagtgggaagg aaaaaaaaaa ctggggaaaa 240  
 gaaaagaaca aaagggaaaa aagaaaccaa aaaacacgac gagaagaaaa aagaaaaaaa 300  
 caagggagga acaccaggaa aaacaaagaa aaaaaaaagg aacaaggaaa aaaaaaggcg 360  
 agaaaaaaag aaccaagag aaaaaatgaa aaaaaaaaaa aaacaaaaaa aggaagcaaa 420  
 aaagggccaa taaaaaaacc aaagaaaaaa aaaagaaaaa gaaaattaaa aaaagaaaga 480  
 aaaaaggcaa aagaagaaaa ggaaaaacaa aaggaaaaaa aagaaaaaaa aaaaagggaa 540  
 aaacaaaaca aaaaaaggga caacaaaaaa gaaaaaacct agaaaaaaa aggaaaaaaa 600  
 gacaaggga aaacaataa cagaggattg aacaaaaaca aacaaaaaaa acagaaaaaa 660  
 aaggaaacct caaagaagg gaaaagaaat gggaagaaaa aaaaaaaaaa aaaaagacaa 720  
 gaaacgggga aaaaaagaa aaaaaaaga aaaaaaaaaa aaaaaaggga aagagaaata 780  
 aaccaaaagg caaaacaaaa 800

<210> 13178  
 <211> 494  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 13178

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 aaggtcaatt aggccacaat tgcattctagc ttcttatgat taacgatcac ctatgactga 180  
 gatctaaaag ataaaggact gacctacca gtatccttcc ggggtctag agtggaaacc 240  
 aaacagcttt taaacagcat agaataattta tatctctatc accattctcg agaaattcac 300  
 ttatgagttg gatacaagac atgtgcctat gataagcagc actaacatta attgataagc 360  
 tacatgatct gatattataa agggtttctc cacttccact actgtcctaa gggttaacaca 420  
 ctctgattaa cccacatctg gattcacagg agcgagatct gctatacttt gtcaccgtgc 480  
 tatacggaac atag 494

<210> 13179  
 <211> 1032  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223>        unsure at all n locations  
<400>        13179

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aagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aggaaaaaga aaagaaaaga aggaagaaga 180  
aaggaacaag aaaaaaagaa gaaaggaaaa aagaaaagag aaaaagaaac gaaaaaaaaa 240  
agaaggaaag gaaaagaaaa agaaagagaa aggaaaaaga gaagaaaaag aaaaaacaagg 300  
agagggagaa aaaaaaaaaa gagggaaaaa aaaacggggg agagaaggag ggaaaaaaaaa 360  
aaaaaaaaaa aaaaaggaga gggaggaagg aaaaaaaaaa aaagaaagaa agaaaagaag 420  
ggaaaaagaa agaaaaaaaaa aaaaaaaagc aaagaagaag gaaaaggaaa aagaaaaaaaa 480  
aaaaaaaaag aggagaagaa aaaaaaaaaa agaggaagga caaaagaaaa ggaagaaaaa 540  
agggggagaaa agaggaagaa gaaaaaaaaa agaaaaaaga aagaaaaaag aaaaagaaag 600  
agaaaaagga acaaagggaag agaaaagaga agaagaaaga ggaaaaaaaaa aaggggagaaa 660  
agagaggaca aaaaaaggaa gaaaagagga aaagaggang aaaagaagaa aaagaaaaaa 720  
aaaaaaagag aaaaaaaaag agagaaagaa aaaagagaag aaaaagagaa gaaaagaaga 780  
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